

MAEER'S MAHARASHTRA INSTITUTE OF DENTAL SCIENCES & RESEARCH (DENTAL COLLEGE)

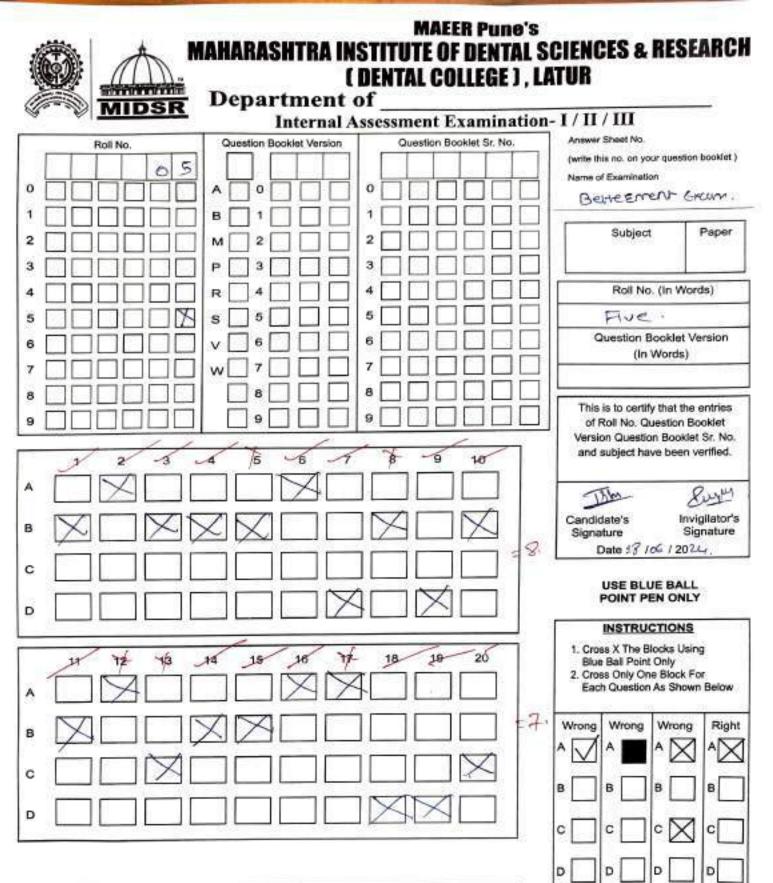


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Website: www.mitmidsr

Re-test and Answer Sheets 2023 - 2024



Not Make Any sure Marks On The Answer Sheet.	Not M		he
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 Rough Work Must Not Be Done On This Answer Sheet Use Free Space in Question Booklet Provided

Name of Exercise	Marks Obtained	
Section - A	15.	
Section - B	15	
Section - C	16.	

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Roll No. of Student :- 0 5 Name of the Examination :- Internal Assessment Date : 19 /6 /24 Time : 2 5 Sign. of Student 5 Sign. of Student SPECIAL INSTRUCTION TO CANDIDATES 1. Enter your seat number, name, subject, on the cover page of the answer 2. Candidates should not draw additional margins as they are provided on 3. Candidates should not write anything in the margin, except question nu 4. For each answer write the corresponding question number in the margin yudiciously. 5. Do not waste the pages. Write on both sides of pages on the answer si questions answers should be continued in sequence; do not leave blan sheet. 6. Supplements will not be provided to any candidates. 7. Candidates are forbidden a) To bring books, notes, mobile phones, ele scribbling papers into the examination hall. b) Speak or communicate in candidates while the examination hall. b) Speak or communicate in candidates while the examination hall. b) Speak or communicate in candidates while the examination hall. b) Speak or communicate in candidates should write exam in legible hand writing. 8. Candidates should write exam in legible hand writing. 9. Candidates should write exam in legible hand writing. 10. If candidates disobeys any instruction issued by the examiner/ supervisor with candidates disobeys any instruction issued by the examiner/ super		me of Student :- 1 Ste 2001
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or disobedient is liable for disciplinary action to be taken against him/ 12. Questions shall be solved serially or section wise i.e. answers should questions.	any manner to other answer sheet (written or allowed for examination out disturbing other sor or who is guilty or ru her by the Principal.	upplements will not be provided t andidates are forbidden a) To bri- cribbling papers into the examinal andidates while the examination i lank) while leaving the exam hall, andidate suspected to be guilty of andidates should write exam in le of candidates want anything they candidates. However, they should f candidates disobeys any instruc- or disobedient is liable for discipli Questions shall be solved serially
D Write Composition and setting	reaction of	Write Composi
· Glass ionomer cements are		and the second
	reaction of	and the second

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y v	MIDSR	
-	Composition	
	Powder	
	Ingredient	weight (1.)
0	silica	41.9
Ø		28.6
٢		1.6
Ð	calcium fluxide	15.7
\$		9-3
0		3.8
	Liquid	
	component	Functions
0	polyacylic need in the Form	Increase reactivity of
	or copolymer with Haconic	liquid decrease visco
-	acid, moleic and tricarba.	and reduce tendency
	14/1c acid	of gelation
0	Tartonic acid	* mprove the handling
		charaderities increase
		working time and
		shortens setting time
0	water	water is mast important
		constituent of the cen
-	A	liquid it is the conscius
		medium of the real
		and it hydrolas is
11		reaction troducts.



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· together. the acid at	te powder and liquid are mire tacks the glass particles. the odium and fluride ions leach adium.
@ calcium cross-links - the calcium ions cross chains. This forms a	The initial set occurs when - links the polyamylic axid solid mass.
	- Aluminum also begins polyacoylic acid chain.
in crow-linking some of replace the hydrogen is replace the hydrogen is	the sodium ions is slowly the sodium ions is slowly one in carboxylic groups. The ine to form sodium fluxed. buted within the cement.
D Hydration - water play Initially it serve as the hydrates the makix, ad	important role in the comen he medium. later it slowly whing to strength of the cen
Silica get sheath - 7	The unreacted glass particle
sheathed by which get of ione from the oute	. It is formed by the leach? a postion of the glass parts



Page No. Date: classification of dental waxes and composition 0 of Inlay wax. one of reveral enters of faithy wax Pefi usually monopy do and with higher alcohol dicohol. are combination of various type Pental waxes of waxes classification synthetic wares. Motural waxes poly ethelene waxes . Mineral · poly oxy thelene alyco 0 Paraffin wayes microinystilline 2) · Halogenuted hydrocarbo nzokenite 6 waxes aptrom (4) nalogenated way Flant: 6 carnauba OUMUM 101 Ø candelilla 6) Japan wax 0 cocoa butter 5 Insect 0 Bees wax Animal spermacetre. 0



Page No. Di	ate: / /
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	Based on applice	ition	
			Inlute
		Pattern	Kesin
			casting
			Base plate
			stricky
	pental wax	processing	poxing
-			Blocked
			white
-	2545	. 0	utility
		J.m. Preuson	conective
			bite - rogistration
	for any other	•	- 0. A
A	Composition of	intay was	٤
	para Efin way	40-601	· used to stublish mel
3)	Cornauba way	2.5.1.	temperature
/	Ceresin	101.	r toughness
	Beerway	5 ·J.	reduce floro at mou temporature
	gum pummor	[+J	increase the emooths
	8		

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Page No. Date; (3) write composition, classification, Indication contraindication of umalgum write a short Date on mercury taxicity. - 3 (amposition Silver 63-70.1. Tin . 26 - 29 .1. Copper 2-5 1 Zinc 0.2 1 clussification 0 on the copper content Based low copper alloy - contain less than 61 ropper High copper alloy - conteur beth 13-301. copper 0 Based on the zin content zine containing alloys - containing more than 0.0112 zine free celloys - - contruining less than polition Based on the shape of calley particle . 3 lothe - cut alloy spherical alloy spheroidal alley Based on the number of alloyed metal 4) e.g - silver - tin Binany alloy Ternary olloy e. 9 Silver - tin - copper e.9 silver-tin-coppor-inclian duaterday allow



Page No. Date: / /

Based on the size of alloy powder particle (\mathfrak{S}) Minocul Marrout Indications As a permanet filling material for - class I and class II cavities 1 - dass & cavities where exhetics is not required In combination with retentive pine to restore a crown 2. For making dies T In retrograde root conal filling 4 As a core material in abutment teeth. 5 (ontraindications amalgum chould not be placed in a patient 1 with impaired kidney function individual with allergic hypersensitivity to many 12 to or component of the alloy New amalgam filling whould not be placed in contend with panamylyam reitoration like gold and metal devices such as orthodontre braces mercury toxicity toxic to living creatures about it admosphere nazords occur during tratunation, condensation, Finishing rapour can inhaled.

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Page No. Date cumulative toxic effect " risk from inhabition - pulmonary edema - chemical preumation By ingestion - local corrosive effects noused, romiting, Renal during Sprueformer 4. - A sprie former is made of wax, elustic or motal. - The thickness is in proportion to the cour pattern A recervoir, 12 attached to spoke of attache of the sprue to wax pattern is Flored. The length of sprice is adjusted so that the wax pattern is appreximately 11, th from -the other end of the ring Functions of sprie former To form a mount of coux pattern 1. to create a channel for the elimination of way during bymoud. forms a channel. For entry of molton alloy 3. during catting provides a reservoir of motten metal which componensates for alloy shortage during colidification. 2



Page No. Date: /

Define impression classify impression materials. 5 Dental improvion is negative record OF the firme. of the mouth. classification of impression materiale. According to the mode of setting and elasticity mode the form thermoset, thermoplastic and rigid and elastic are used to describe materials. mode of retting, Rigid elastic set by chemical rean Imprusion plaster Alginate hydrocollow conversible or thomas zinc oxide eugeno) Nonageous electories set . set by temperature change compound, myar hickord lord (neversible thermoplestic) waxes According to these displacement 1 Mucostatic @ plucocompressive According to their we in dentraly O Impression medericale used for complete @ impossion material used for dentations mouth

Name of Student	Ishwati Keykarn	1
Roll No. of Student :-	05	
Name of the Examination	- Internal Assess	sment Examination
Du	SECTI	ION - C
Date : / /		
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Sign. of Student		Sign. of Invigilator
Candidates should not draw Candidates should not write For each answer write the or judiciously. Do not waste the pages. Wri questions answers should b sheet. Supplements will not be pro- Candidates are forbidden a) scribbling papers into the ex- candidates while the examin blank) while leaving the exam- Candidates should write examin candidates. However, they If candidates disobeys any or disobedient is liable for or	e-continued in sequence; do no vided to any candidates. To bring books, notes, mobile p camination hall. b) Speak or com nation is in progress. c) Take with m hall. guilty of any of the aforesaid act am in legible hand writing. g they should approach the supe should not leave their seat on a instruction issued by the examin disciplinary action to be taken ag	provided on each page. question number. in the margin. Use the paper e answer sheet, for short answer t leave blank spaces on the answer ohones, electronic gadgets or imunicate in any manner to other h them any answer sheet (written or s will not be allowed for examination ervisor without disturbing other iny account. ner/ supervisor or who is guilty or rude

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	composite.
1	- Rental coments are the materials of multiple
	we including restoration, luting and therapeutic
	- First depted coment- is said to have been
	introduced in 1985 by sorrel

	MIDSR Page No. Date:
1 11.	
	classification
0	150 standardy covering cements.
6	I coments - raise
Q	FITTI - FITTI
6	Zincoxide eugenel and zinc oxide non-euge
	Constale
G	polymor - based filling, restorative and luting
	materials.
A	and the second sec
2	Iso classification.
	water based cements : zinc phosphate sqlu
	spomer
	oil based cements: zoe and non equal ce
	Resin or polymer-based cements - Rein cements
	compomer,
e	According to setting Recention
	Acid - based reaction cements
	Polymenzing cements
	C V
	V

appli cation Ш Luting bases or lining O 0 Restoration 1

85

MIDSR Date: / / Page No. Composite Revin composite is a system composed of mixture of two or more marromolecules which are essentially insoluble in each other and differ inform. Uses Restanction of anterior and poderior teeth 1 To veneer metal crowns and fixed partial 2. dentures To build - up cores Bonding of orthodontic. backets, etched cast restorations, commic crown, posts - inlays onlays and laminates. pil and fissure sealent 5 esthetic lancincites C. Repair of chipped porcelin restoration. 7 classification According to 100 type1: polymer based materials acitable for reportion involving occlused surfaces. type 2: All other polymer based materials and hiting agent. Based on curing mechanism T class 1 - self - ared materials. class 2 - Light cured material. class 3 - puel ared material.

Page No. Date: MIDSR Based or filler printicle 6120 TIL Particle size > 3 um Pastrile size L 3 UM fine Average particle size - 0.04 Jun ultratine planofine 0.005 - 0.01 lum NanoFine Based on Filler particle stree TT Macro Fillers: 10 to 100 um Midfillers: 1 to 10 ym MiniFillers: 0.1 to 1 um Miro Fillers: 0.01 to 0/ um. a. nomogeneous: contains only mainefiller b. neterogenoous . mano Filler combined with propoly merized Fillers. - splintered prepalymenized particles spherical prepolymonized particles. C. Agglamerated: Microfiller sin tered to form longe Filler pontroles. NanoFiller - 0.005 - 0.01 un Nybrid Based on viscosity V conventional Flowable packable Based on application and commercial VI availability Restorative composites: pirect intru oral A restorations.

Date: / Page No. MIDSR Hypord composites. Marrofilled hybrids Michfilled Nybads Minifilled hybride Manofilled hybride. ii) Macrofilled Nanofilled liif (v) Flowable Packable vir core-build up composites. B. prosthodontic composites c · provisional compositer p. Luting composites F. Repair composites. Compasition Matrix : plastic resin that is continue and binds the filler particles Resin Matrix : Commonly used Bis - und or unethose dimothylacylate. : augertz, colloided sillice on heavy metal Fillers glasses. fillers improve the physical properties of composite rean Coupling agent : organosilanes, Coupling agent bound the Filler particle. to the rein matrix.



Composite iresin also contains Mydroquinone - Inhibitor UV absorbers: to improve color stubility Opacifiers: Titanium diaxide and aluminum oxide color pigments: To match the tooth - color. Advantages composites are highly eithetic restorative praterials working time is quite good due to maltiple curing system. placement of composites is very early They are moderately strong and durable corrosion does not occur in composites. composites are easily repaired. Disadvantages of composite Revin They have highly shrinkage congressites are very technique sensitive composites strick to the instruments. They directly do not bond with tooth shuden so require dentin bonding agent composites and non - conclansable IF restorution of composite is improperly done micro-leakage and recurnt comes DILLAN composite rain have low wear resistance as compared to the meter retorition

MIDSR Date: / / Page No. clussify deature base material. write the composition and stages of polymerization of heart and acylic rein. 1. penture Base materials. Non- Metallic Metallic cobalt chrismium R.g- Acrylic Rein Gold alloys Vinyl scin striples steel. penture base materiale. - 11 permanent temporary e y - Heart cure dentre e.g- self cure dimplies 2010 shellar base plate Light could win base plate wax. Pour type sein Injection molded soon pletunic bases. 150 classification. TIL neut - poly merizable polymens. Typel class 1 - powder and inquird class 2 - plastic cake Autopolymenizable polymens Type 2 class 1 - powder and lequed duis 2. powder and liquid four - type nesin

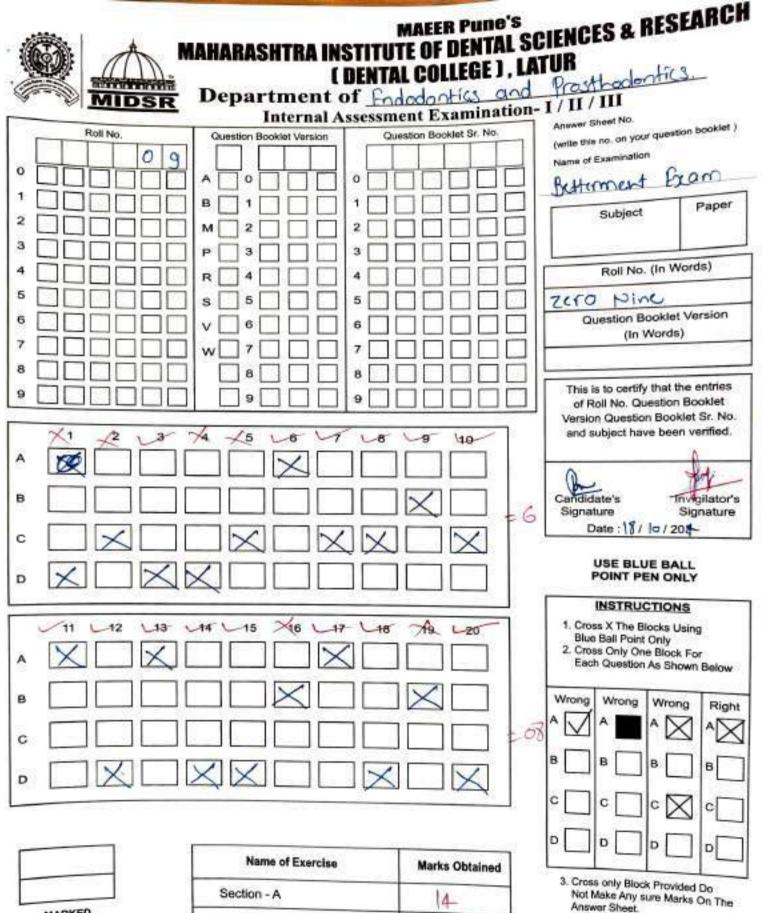


	type. 3 Thermoplastic	blank or provoder
	Augo 11 - Iront - cictivas	ted materialy
	type - 5 - prico wave	cured material.
	Comparition of next activa	ted donture base
	acortic senio	
	Buder	
	policies	
4	Ingredient	functions
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Ð		Capalymers - imp
(3)	Benzoy penoxide	Initiator
Ø		
8255	radmium rulfide, elc	Deacifier
5	zinc or titanium mide	play
0	Dibutly phthadate	plasticizers
(7)	Inorganic Filters like glass Fibers	TODONE PHOTO
	zirconium silicute, alyning, et	s pop like diffe
(8)	pyed anothetic nylon or anylic	Amulate spaced
	Fibers .	copillaries.
	/	
	liqui d	
1	(
/	Ingredieul.	Functions
		sticizes the polymor
		ashierzer
	Glycol dimethacylate and Hydroguinone lab	us - linking agent
	National Total Total	sibitor privente primate
	4	polymerization.

MIDSR Date: / / Page No. polymenization stages physical stuges. stagel: wet sand stage The polymer gradully settles into the monomer Forming a fluid, incoherent mass stagen : sticky stage. The monomer attacks the polymor by penetrating into polymer. The mass is sticky and stringy when touched or pulled apoint stage III : pough or get stage As the monomer difuses into the polymer, it becomes mooth and dough like - It does not adhere to the wall of the jar. staye IV : Rubbery stage . The monomor disappears by Further penetration into the polymer and evaporation. The man is rubberlike - non - plastic and cannot be molded. stage V ! diff stage The mass is fatelly unworkable and is discarded

	MIDSR Page No. Date: / /
	chemical studies of polymerization.
	Eour stages occurs.
C	modering
	- induction or initration period is the tim during which the malecules or the initrator becomes energized or advalled and storts - transfer the energy to the manomer
	- most denture resins are polymonized by this
	method e.g. when noised they free reduct liberated by heating benzoyl peroxide will initiate the polymerization of methyl method monomer.
0	popugation
	once the growth how started only 5000 to 200 calonies per mole one required the provers contineous republic and accompanied by evolution
3	Termination The chain recretion can be terminated either
	by directly coupling of two choin ends or by exchange of a hydrogen atom from one of growing cheering to another.
Ð	chain transfer.
-	chain transfer termination can also result from chain transfer. Neve the acturated state 14

1 1 Date: Page No. MIDSR transferred from an adjusted madide to an spartive molecule and new pullers of growth is created. no already terminated chains chain tranking real 1111 can be recidivated by in continued growth



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Name of Exercise	Marks Obtained
Section - A	14-
Section - B	215
Section - C	21

4. Rough Work Must Not Be Done On This Answer Sheet Use Free Space in Question Booklet Provided

Name of Student :	Bhalcrao Sustmut	
Roll No. of Student :	- 09	
Name of the Examin	ation :- Internal Assessment Exam	ination
	SECTION - B	
Date : 18 / 10 / 24		
Time: 2 PM	011/	
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Sign. of Student	Sign	. of Invigilator
questions answers s sheet. 6. Supplements will not 7. Candidates are forbi scribbling papers into candidates while the blank) while leaving 8. Candidate suspecter	ges. Write on both sides of pages on the answer sheet, for should be continued in sequence; do not leave blank spaces of the provided to any candidates. idden a) To bring books, notes, mobile phones, electronic gad to the examination hall. b) Speak or communicate in any many examination is in progress. c) Take with them any answer should to be guilty of any of the aforesaid acts will not be allowed for write exam in legible hand writing. anything they should approach the supervisor without disturb ver, they should not leave their seat on any account.	gets or her to other leet (written or or examination

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LAQ.		
Dental Waxes		
Dental waxes are classify.		
D on the basis of origin - Natural wax.		
1) Mînral – Microcrystalline ozokerite Ceresin		
?) plant - auricury Candilila		
japan wax. Coea butter		
3) Animal - Spermaciti		
4) Insect - Beewax.		
(2) on the basis of 1)ses.		
they are classified in		
1> pattern wax		

Page No.

processing wax \$

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15 Patter		A +-1-	1.0× -	TYPE-T	-
15 Patter	n wax		wax -1	Type-I	2
			late wax.		
			ng wax		-
		L Casti	ng wax		
an 1250 50 55	ing wax				-
e) process	ing was				-
8 <u>14</u>	Utility				
	- Boxing				
	- white				
	- Shella	<i>c.</i>	1		
	Strent				-
3) Impr	ession	Wax			
-	correcti	ve wax			
-	Bite	registratio	n		
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Page No.

Date:

They may used in dentistry. - It is aldest way used in dentistry. - It use direct or Indirect Technique. - It use direct or Indirect Technique. - It use direct or Indirect Technique. 1) when Sobten way Should be Uniform no graniness present in it. 2) It sho is not Flake or tear during Curving. 3) It is not chip or Elake during Burnout. 4) It show homogonity property. 5) It is Uniform. (1000000000000000000000000000000000000		Inlay wax	IDS
 It use direct or trained in the second sec	E		C
 i) when Sotten wax Should be Uniform no graniness present in it. i) It sho is not Flake or tear during curving. i) It is not chip or Elake during Burnowt. i) It show homogonity property. i) It is Uniform. 		- It is oldest way used	
 17 when Sotten wax Should be Uniform no graniness present in it. 18 TH Sho is not Flake or tear during Curving. 3) It is not chip or Elake during Burnout. 17 The Show homogonity property. 18 This When the second seco			
no graniness present in it. P) It sho is not flake or tear (luring curving. 3) It is not chip or flake during Burnout. (1) It show homogenity property. (1) It is Uniform. (1) It is Uniform.]]	Edeal property 2-	
 Auring Curving. 3) It is not chip or Elake during Burnout. +> It obow homogenity property. s) It is Uniform. classing TypeI - Used Intraorally 	17	when sotten wax should be Uniform . no graniness present in it.	
Burnout. +> It show homogonity property. =) It is Uniform. class ^b TypeI - Used intracrally	ঽ>		
s) It is Uniform. class ^b Type I - Used intracrally	3)		
Classb Type I - Used intracrally	4>	It show homogonity property.	
Type I - Used intracrally	3)	It is Uniform.	+
Type I - Used intraorally		CLASS	_
Typen - used oreardy		TypeI - Used intracrally	
	+	Typen - used overlag	
	_		



2
Composition 3-
wt
parattin wax - 40-60 %
cresin 10%.
Cium damar 10%.
Carnabua wax 25%
Candilila wax
synthetic wax
1
Parattin wax = -
1) It is about 40-60%
ey It is Used to establishes
melting point.
3) diffrent wax are form due to
diffrent melting point.
Cere sin ÷
1) It is about 10%
>> It increases the Ctoughness.
3) It cause easy to carve.
Gum damar -
is It is about 125%
i an accor the toughness
of the wax.



Page No.



Cornabua wax - T 1) It is about 05%. of It decreases flakes. Candilila wax -> It Replaces Carnabua way. candilila wo-Synthetic wax - Jt Replace the Property F100 =-15 flow is depend temp and on time. 45°C : Both class ≠ & I Flow at about 70-90% at 37°c class I flow not more than 3 1% at 30° c 2 class Y FIOW than not more 1% Homogenity :-\$ ί Dn heating wax be stould Uniform or Wax show property of the Lomo-genity.

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1	B) Contact angle
_	way have low contact
	angle.
4	> Thermal conductivity 3-
	waxes have high othermal
	Conductivity.
_	and the second
-	
_	
19	a
	Manipulation :- Iniay wax are manipulate by two
	method
	1> direct method.
_	a) Indirect method.
	15 Direct method =-
-	O - wax is heated on Flame and roll
	@ _ Intil it become plastic.
-	



Page No.

Date

cavity put the roll wa der > In prepared 3 with applying pressure through hold it. & set it. D 15 Indirect method. @ Dipping method -- Replica of tooth dip into the hot wal liquid. & this known as the dipping method. 6) Addition wax are added through the brush or spatula. D

DSR	Pa	ge No.	Date: / /
SAG			
Sprue :-			
It is chann			
which Investmen		enet	ers
into the wax p	a Herri.		
oprue Ps made metal.	up ob plas	tic	or
7.	1		
1) Diameter-			
Diameter of	the sprue a	should	be
same as that			
wax pattern.			
	F wax patt	and a solution of particular	THE PARTY AND A CONTRACTOR
thickest porti	on of wax	patt	ern.
2) Length			
4 Length of	sprue form	en is	
1) 4 From the		tern	
/			
3) Sprue former is		thick	ces+
postion OF wa	x pattern.		

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	5	A.		1.1
Sprue				Tway
Former				Patt
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	Fund 5			
		prue Forme	88	
	functions-			
-/	1) It Ereate	channel th	rough which	
	wax is e	liminate.	- Str Contre)
	a) It creates			
210	wax patter	n enters.	through wh	īch

and the second se

M	Page No. Date: / /
-	
2	Dental ceramics: -
>	Dentral Ceramics :-
	Dental ceramic is combination of
	metal with non-metallic mostly the
	Oxygen.
-	
-	
	Classification →
	i) on the basis of firing tempsture.
-	
_	1) High fusing = 1300°C & above
	2) medium fusing = 1100 & 1300°C
	1) Ultra low Lusing = 950 f below.
	e) Based on type.
	feidspathic ceramic
	Alumina ceramic
_	zerconia Leramic
	splenin reinforced coromic.
	3
-	



	Page No. Date:	1
	3) Based on microstouctur.	_
	crystalline ceramic .	
	chlass ceramic	
	crystallin containg class.	_
	+) Based on termation.	_
	- mechanical ceramic	
	- cementable ceramic	
	- functo poixture of above.	_
	all provide the second se	
	5) Acc. to function.	
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	1) core ceramic - renforced feramic.	
	front or encourt and the decourt of the	
	as veener ceramic	
	CALL DESCRIPTION OF THE STREET ON A CONTRACT OF THE	
	3) Opace ceramic. 7	
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		Heat cured.
0	Selt cured	Hear (ureo
>		that is person
15	Heat is not nerecessary	Heat is necessary for curing.
		0
2)	molecular weight	molecul weigt of the
	of polymer is low	polymen is high
e (e	monomer Content	monomer content
	in High	ts low.
45	porosity is	porosity is low.
	greater	
2)	density is higher	density is lower
6)	Temprature is	Temprocture is
	1000	high.

Page No. Date: / / c) calcination -1 Heating-OF-plaster-to Form Heating of aypour to Form plaster is know as calcination. calcination is two types. 17 1) Dry calcination e) wet calcination. 13 Doy calcination -Temprature of colicration is about 110°. through dry calcination dental proster is form. Caso4 . 1 Heo - 110" Cas04.2H20 + Heat. day calch genilydrate neat dihydrate is borned through dry caliconation.

1 ATA	A
Service Services	Sandra anti
Canal Canal	MIDSR

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1		
	2) wet calcination.	
	They were enternal	temp to
	They toot entries	
	120 - 130°C	
	through this den	ital stone
	is Formed	
	dihydrate reated	at temp
	120-130° & Hemi	hydrate formed
	under 121. Dbpressi	459-141
1	A contraction of	
1	19	2
1	cases 1 40 + hao 120-13	5 Casod and of HP
34/1		Y Contract Providence
	in particular and the particular	
	War (50 m (50 m (50 m)))	
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(3) Addition silicon Addition silicon This are used to replace conder Gilicon: Composy D Base. paste: D polymonyl Hydrogen silance O other Stloxane polyethet 3) pilled platinum the absorb 4) petarder S) colouring agent. (3) divingl polymithy Siloxane. (4) Actarder (5) colouring agent. (6) other giloxane polyethere. Advontage D greater shelb life. (6) pleasent adowr. (6) pleasent adowr. (7) gest dimension stability (7) Can be electroplated.		Page IIDSR	e No.	Da
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clectroplated.		(a) Can be all a stability.		
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Roll No. of Student :- Roll No. of Student :- Roll No. of Student :- Internal Assessment Examination SECTION - C Date : \3 /1° /2 4 Time : 2 Pm 91 30 Sign of Student SPECIAL INSTRUCTION TO CANDIDATES 1. Enter your seat number, name, subject, on the cover page of the answer sheet 2. Candidates should not draw additional margins as they are provided on each page. 3. Candidates should not draw additional margins as they are provided on each page. 3. Candidates should not draw additional margins as they are provided on each page. 3. Candidates should not write anything in the margin, except question number. 4. For each answer write the corresponding question number in the margin. Use the paper judiciously. 5. Do not waste the pages. Write on both sides of pages on the answer sheet, for short answer questions answers should be continued in sequence; do not leave blank spaces on the answer sheet. 5. Supplements will not be provided to any candidates. 7. Candidates are forbidden a) To bring books, notes, mobile phones, electronic gadgets or scribbiling papers into the examination hall. b) Speak or communicate in any manner to other candidates while the examination hall. b) Speak or communicate in any manner to other candidates should write examination hall. b) Speak or communicate in any manner to other candidates subjected to be guilty of any of the aforesaid acts will not be allowed for examination or blank while leaving the exam hall. 8. Candidate suspected to be guilty of any of the aforesaid acts will not be allowed for examination or blank while leaving the exam hall. 9. Candidates should write exam in legible hand writing. 10. If candidates disobeys any instruction issued by the examiner' uppervisor or who is guilty or rude or disobedient is liable for disciplinary action to be taken against him/ her by the Principal. 12. Questions shall be solved serially or section wise i.e. answers should be written as per serial of questions.	14 (100 and 20 a	Bhalerao Sushrut	
Name of the Examination :- Internal Assessment Examination SECTION - C Date : (3 /10 /2 4 Time : 2 pm 30 Sign of Student SPECIAL INSTRUCTION TO CANDIDATES 1. Enter your seat number, name, subject, on the cover page of the answer sheet 2. Candidates should not draw additional margins as they are provided on each page. 3. Candidates should not write anything in the margin, except question number. 4. For each answer write the corresponding question number in the margin. Use the paper judiciously. 5. Do not waste the pages. Write on both sides of pages on the answer sheet. for short answer questions answers should be continued in sequence; do not leave blank spaces on the answer sheet. 6. Supplements will not be provided to any candidates. 7. Candidates are forbidden a) To bring books, notes, mobile phones, electronic gadgets or scribbling papers into the examination hall. b) Speak or communicate in any manner to other candidates unite the examination hall. b) Speak or communicate in any manner to other candidates unite the examination hall. b) Speak or communicate in any manner to other candidates unite the exam hall. 8. Candidates unite the exam hall. 8. Candidates unite the exam hall. 9. Candidates while the exam hall. 10. If candidates disobeys any instruction issued by the examiner' supervisor or who is guilty or ruder or disobedient is liable for disciplinary action to be taken against him' her by the Principal. 12. Questions shall be solved serially or section wise i.e. answers should be written as per serial of	Roll No. of Student	:- 09	
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	compos" :-					
	GIC contain both	liquie	d and powder.			
	powder :-	_				
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	0.15 0.	%	particle			
-	Silica	88	provide the second s			
	Alumina	36				
1	Calcium Fluride	1-5	arph & Flux			
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-	Silica - acte as glass	1.00				
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Liquid polyacrylic acid - It increase reactivity - It decrease setting time. Tartaric acid Water. It provides medium. to +1 Betting reactions-Setting reaction of OJC Involver. Leaching s-15 Ca crosslink 28 Alominium crosslink 3) +> NAIF ODD silica get oheath. S> 13 Leaching: when powder & liquid are mixied togethe. Na, F, Al jon are leached out from the mixture. ca cresslink-27 Initial Get occur when Ca ion cross links.



Page No.	Date: /

DIUMINI	um cross link.	links the			
	Aluminium ions cros	<u>s nare c</u>			
poly a	erylic acid.				
bodiun	m & Fluride ion -				
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12	liner :	
	liner are thin Cementing compo	onent
	which are apply when dentine t	hickness
	is aquet.	p.
	Classif"	
	(1) Liner	
	i> Thin liner	
	t l	
	Solution liner Suspensio	nliner
	2> thick liner.	
~	1) Liner apply toohen thickness	00
	dentine is less or adquet.	
	2). It thin film layer.	
	3) It provide thickness	

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(2) VO	rnish				
		Selection and a		ODE C	5~
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4)	CROH					
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	caot is alkaline cement					
	Applications-					
-	i) direct and indirect	pulp				
	capping.					
-	9) AppixiFaction of root	In which				
	roat is incomplete.					
	3) low strength bases.					
	composition :-					
	cataryst.					
	CaoH - 507.	paraciple ingred				
	zno -10%.					
V	zn streate - 0.5	a colrator.				
/	T1 02	Plastr ci ser				
2	ethylen etolune.	oily comp.				
_	Base -					
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	Ca304-					
	Tiolioxide					
	Ca tungestent.					
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Page No. Date: / /

property flse -÷ Setting ton 100 COOH + T- Metholenetsilicate -> cadi Gilicate ... property Tensile Strength =-1) IS low about 1mpa. ofsenath-> 9) compressive modulus of elasticity 3) -0 modulus of elasticity 15 about 0.37 mpa.

1 1 Date: Page No. MIDSR MTTA 3the calcia, MTA is aggregate of Alumina. silica, and compositions-It contain dical cium silicate, tricalcium silicate and dicalcium Aluminium. Dicalcium oilicate. -> 7-32 Toicalcium silicate. -+ 45-75 Toi Aluminium silicate. Bu-3 - 20-25 Biarium oxide rasof dihydrate 2-10 _ BPP14 Ovital pulp thorapy 0 Root canal pilling. sealer B)

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ROL	MD.
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Page No. Date: / /

27 Acid etiching :-Acid etiching is Technique to see the bonding strength between the resin of restoration. mech of action. It discrete etiching by 12 creates in dentinal tubules. Etched enamel have high 2) Surface area. NESSINGLE Etched enamel have the high 3) Surface surface energy. which spread to the whole dentine and or enamel. Tags are formed which 1> penrates the resin. pentrate about 0.2005mm. s)

Date: / Page No. MIDSR Resin etabed Tags. acid etiching. Bonding agent - Bonding agent are enamel & dentine loonder. MARKING AN - It contain conditioner, enamely primer depending upon genra. Ist genration - minral acid where used to etichted the enamel. (second genration deviop adhesive agent composite resin. 3rd genration -> made serious a attempt to legst with smear layer is form dentine is cut and bond. @ ath gerr - total etched dentine is developed. (c) sth genra - primer & adheser in one bottle. oth genrh -0 seprate etched is not require.

Page No. Date: / / Sec-C MIDSR Composite 1> classific"-61 Type I s- polymer based Eomposite for restoration Other polymer based For TypeII luting. mech. (Based on Curing sett cured Eyes-J -15 . Heat curod. Class II -2) - Energy apply introorally Griz Cnr. I - tenergy apply ex+raorally Dual cured 3) particle size : - (willsen) (3) Based 00 Fine particle size > 3 particle size K3 Ultrafine microfine 0.04 mm nang 0.005 mm.



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Page No. Date: / /

.

	(6) Based on particle size.
	macro Filled 10-100 4M
	midi Filled 1-104m
	mini tilled 0.1 - 1 ym
	micro Filled o.ol - o.14m
	Nano Filled 0.005 nm
	hybrig -
	(Based on restorn function.
	1) Prosthodontic Used.
	2) Restorative -
	1) Macrofill
	micro_fill
	midifill
	nabaro Hill
	Hybrid
1	FILOWADOR
_	
	a) provisional used.
-	3) orthodomtic used.
_	(Based on viscosity.
	Friowable
_	pacakable
	ronvenstional.

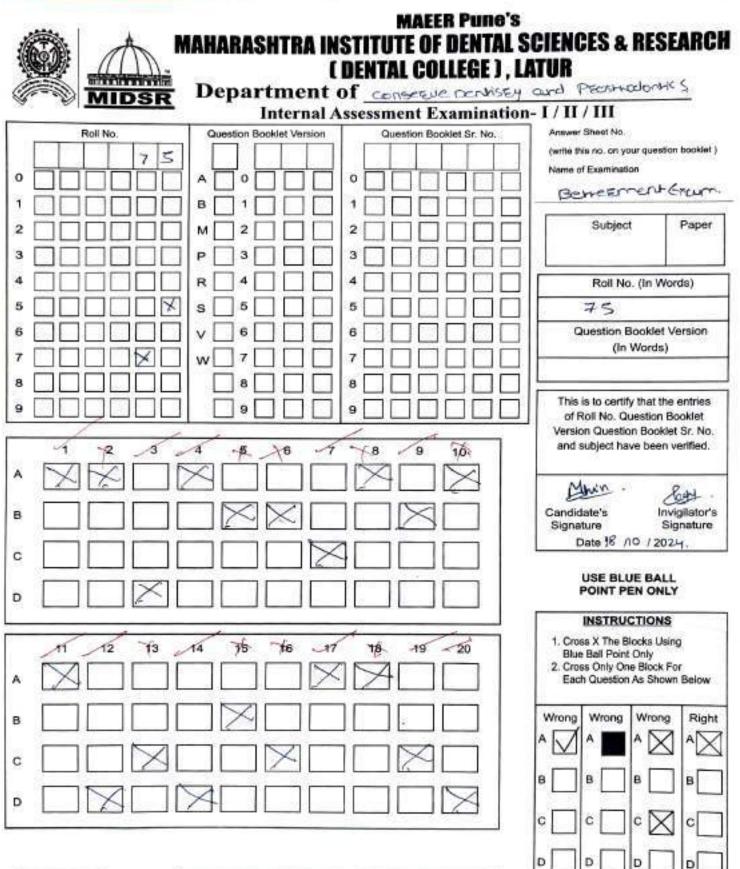
Page No. Date: / / MIDSR compsh 3-Bis MMA matrix -Binder -- silica, Alumina. Fillers Advantage * 1121tooth colour structure. Composite is 1> Highly esthetic (9 Easy to manipulate. 3) less equipment are required. 4) It released Flustide which 5) prevent from secondary caniel. Disadvantage : -Neeners. Used 110 63 crown Form For 7) 8) durability

	MIDSR Page No. Date: / /
o 121.	
_	disadvantage
	1) It is abrase by the both
	1) It is abrase sy the tooth brush.
	prosti
	e) per protect during manipulation.
	#t contaminate.
	- 3) It have low Tensile otrength.
	4) Require more times.
į.	lises
	OIt is used in full prown preps"
/	(Used where esthetic is
	more important.
~	
-	S Laminating crown.
}	
/	D veeners.
	G
14	



Page No.

(3)	High copper alloy	low cu attoy
		1
	High suppor alloy	low cualloy contain
	Contain 13-30 %.	6 7. of cupper.
	OFCU	
	High cupper alloy is	low cu alloy is
	classified into two	not
	types. 1) Admixed.	
	+) single compose.	
	in high ca alloy n	In low Cu h compound
	compound in formed.	in not tormed.
	Nowday high cu	.It Used not more
-	Nowday high en alloy is widely	till days.
2	VSPd.	
	In High cupper	In low cualloy
	away y2 is	Yz is not replaced.
	betting rxn.	
	Briting	



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 Rough Work Must Not Be Done On This Answer Sheet Use Free Space in Question Booklet Provided

Name of Exercise	Marks Obtained
Section - A	1)
Section - B	18
Section - C	18

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Page No.	Date:	1	1
Page No.			-

SAQ
 principles of optimal sprue former.
There are 5 Main factors of the spoure former.
Dispoue length
2) spore diameter 3) spore position
4) spore direction
5) spoue attachment.
- A spoul former is a wax metal tube like struture attached to the upox pattern of the fabrication of the denture base to facilitate the elimination during the burnout & filling of molten metal after the investment of the dental stone or dental plaster is done the case of burnout or elemination of the metal.

MIDSR		Page No.	Date: / /
optim	nal spone design.		
spoue	diameter ->		
		jameter :	
	some as		
	portion o	F THE	teoth
	For premol	$ar \rightarrow 21$	ຠຠ
	For Molar		
1			
sprue pi	osition ->	11	l la la l
	spare shou	ud be ad	tacheg
	to where the	meheol	or port
	of tooth is	presea.	
- /	- AS it pres	ents the	back
	pressure por	sity. It	isa
	type OF EX-	ternal poor	osi ty
	51	M	J
sprue d	irection		
	ينا المريم اس	allistad	-
	- It should be		10
	45 angle to "	volten n	retal
	present in	the spo	UR

Street,

2

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	spore attachment - spore is attached to spore attachment - spore is attached to realize the politen metric to reduce the provisities in it.
	Spoule length - The length of the spoule foomer should be it of casting oing. Jian
3	

3==\$Q	MIDSR	Page No. Date: / /
Ь.		
-	self cure	Heat cure.
	- Do: No dequire	- Requires Heat for
	heat for curing	auring.
	- pozisites are	- porosities are
	more	Iess.
	- Surface roughness	- surface roughnes
	is present	is absent
	- Dimensionally	- Pimensionally
	unstable	stable.
	- Residual monomer	- Residual monomer
	Content is higher	Content is lower.
1	-warpage is	-varpage is
	seen after the	not seen after
	polymerisation	polymerisation,
5	-It- Is Weak	- better Sthength
3)		the self cure.
/		



Page No.	Date:
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C. calcination of the goinding The process of F+ heating calcium sulphate Caso an on higher temperature forming the crystallisation and water is termed as calcination. Caso, Casoy. 2H, 0 -> Casoy. 1 H, 0two types of calcination There are Day calcination 2) wet calcination ø. 1) Day Calcination (asa, Gypsum - The is heated 110°C to at 130°C. Ho'C+0130C Casey + 2420 Caso +1 Hemibydrate

- The	Die Ston	e.	is	used	to Mo
e) wet	calcinat	10n -			
Fro	m <u>the</u> mthe	ital pia Wet C	alcinatio	on pr	ned
)				, di
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	Define -
	Ceramics are compounds of one metal
	an more metry with a run i
-	
	baittle, angla goug consider
	thermay and electricity.
	- ceramics are best in duplication
-	of poop teeth they are white opaque
	translucent.
	0.0
	Classification of ceramics.
-	
	According to firing temparature
	High fusing (Above 1300°C)
	Medium Fusing (1101° + 0 1300° 1000 Fusing (850° + 0 1100)
	Low Fusing (850° to 1100) What low Ausing (Less than 850°).
	and the proof of the second

JESSELLE: PHO SAMPLE GATTAL

	AIDSR	Page No.	Date: / /
2)	According to commercial.		
	1) Feldspothic Ceramics 2) Lithia disilyate cera 3) Alumina reinforced 4) zirconia reinforced 5) Lithia disiyate cera 6) Alum	a lass ceramic	<u>2</u>
3)	According to method a	of fabolication),
/	1) Castable Ceramics 2) Machinable Ceramics 3) Slip Casting Cerami	3. C3.	
4)	According to microstru	iture.	
	- Glass ceramic		
12			

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	an.
(And Carlow	MIDSR

Page No.

Q1.	LAG	
	<u>Classification of dental waxes.</u> According to use	
I)	Pattern wax	
	- Base plate wax - FDD wax	
2)	processing wax	
	- Boxing wax - Beading wax - SHCKy wax.	
3)	IMPOESSION Wax	
	-Bite regestration -correcting wax	
-		





13

Date: 1 Page No.

	II) According to Source	1
1)	Mineral	
	- paratfine wax - 020 pettne wax	
2)	plate wax	
0	-Japan Wax	
3)	Animat ward	
1		
4	Thised wax	3. (4)
	-BEE Wax	
		3

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Page No.	Date: /
Page no.	1/7/03/EAH 01

\odot	Composition of Inlay wax
0	
	· paraffin wax C15%
	· cerrsin
	· Gum.
$\overline{(\cdot)}$	properties
	-It should
_) Flow- It should have a good flow
	2) Expansion - Normal expansion
	· Hygtoscopic expansion
	3) Thermal expansion
O	Manupitation
	ALL READER BOAT ADDITION IS
/	Direct method
	2) Indirect Method.
-	
	Opirect -
_	into the patients mouth
)	o Indirect -
-	the way is manupilated outside
	Darting.
	2) Indirect veener or cap prepration

Roll No. of Student :- Internal Assessment Examination Name of the Examination :- Internal Assessment Examination Section - C Section - C Date : 18 / 10 / 24 Image: Section - C Time : 200 Harry Sign. of Student Image: Section - C Sign. of Student Image: Section - C Sign. of Student Image: Section - C Section - C Image: Section - C Sign. of Student Image: Section - C Sign. of Student Image: Section - C Section - C Section - C Section - C Image: Section - C Section - C Section - C Secondidetes would not write ward hemargin, e	Name of Stud	ent: Parton Main	
Date: 18 / 10 / 24 Time: Construction Junc Junc Sign: of Student Junc Special instruction to candidates should not draw additional margins as they are provided on each page. Scandidates should not draw additional margin, except question number. A. For each answer write the corresponding question number in the margin. Use the paper junciciously. Junciciously. So not waste the pages. Write on both sides of pages on the answer sheet. for short answer questions answers should be continued in sequence; do not leave blank spaces on the answer sheet. Supplements will not be provided to any candidates. T. Candidates are forbidden a) To bring books, notes, mobile phones, electronic gadgets or scribbling papers into the examination hall. b) Speak or communicate in any manner to other candidates while the examination hall. b) Speak or communicate in any manner to other candidates should write exam hall. B. Candidates suppected to be guilty of any of the aforesaid acts will not be allowed for examination is in progress. c) Take with them any answer sheet (written or blank) while leaving the exam hall. B. Candidates should write exam in legible hand writing. B. Candidates should write exam in legible hand	Roll No. of St	udent :-	
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Page No.

Date:

SAQ . 7 1 Liners . - A liquid Solvent containing mainly calcium hydroxide a volatile solvent - It is applied on the Cavity via bough From physical chemical and pathological stresses. e.g. Calcium Hydroxide Varnish -2. - Varnish is a material that is applied as a thin film on the wall of tooth structure, prepared tooth. - Varnish when applied leaves a film after evapourating out - e.g. - copal varnish



	Page No. Date: / /
	Bases -
-	
	- Base is applied to black the irrita
	and thermal heat to presenting its passi
	- The maximum thickness of base
	should not be more than 0.5 mm
	- There are High Strength bases
	as well as low strength bases.
	- High strength bases include cement
	like zinc phosphate/ oxyphosphote OE
	zige polycarboxypate
-	- Low strength bases include cements
	like Calcium hydroxide
	- zinc phasphate of zinc polycaroxylate
	many be used as a base in case
	of permenant restorations such as
~	analgum restoration to block the initer as well as mercury to enter PULP.
(3)	
~	- Calcium hydroxide is used for pulp capping.
	-pap apping:
	e.g. zinc phosphate

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Page No.	Date: /	1
	The second se	

2 Acid etching -- It is a technique used to bond resin to enamal - Acid etching is also used in case to bond with dentine - The bonding agents are howadys used with acid etching For proper bonding of resin Acid etcher's -- 87% of phosphosic acid. mode of action on enamal. -- In case of Enamed the Acid etching technique Cause mode of action on pentine. - It causes poposites in the denti and cause the doutine to advere

. In the second	MIDSR Page No. Date: / /
*	procedure.
	- The tooth is first cleaned and
	polished.
	- then after the drying of the tooth. after 15-20 sec.
	- 37% of phosphoric acid is used
	on the surface of tooth.
	- 10% of maleic acid can also be used
	- The tooth is surface is dried
	For up to 10-15 sec after the application
	- then the resin is applied by
	the springered form.
	- The bonding agents are also used
	in such case of when applying the Add Ething teching.
	- because of the use of the
	Acid etching it is to be noted
	as the bonding with the enamel
	and dentine is also incresed,
- GV	- And the apid etching is used
(V)	with the bonding agents of the
	Enamal and dentine respectively
_	

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Page No.

3. High Copper alloy Low copper alloy. - High Copper alloy Contain 13% to 30% Low Copper alloy Contain less than CON32 o Fcopper. of copper in it - they lack the High apper alloys have r, & re phase present is better than - They have less strength. 10 W Copper allay 12 Delayed expansion - Delayed expansion is more - LOW WEAR High wear -High tarnish - Low fer

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A REAL	minerentin	
and the	MIDSR	

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4.	
	Calcium hydroxide
	- It is a dental cement used as
	- It is a low strength base so it is used in case of pulp capping.
	- The calcium hydroxide is used for base also (05 mm) thickness.
	Available as
_	- Accelator & base poste
	and the sea
	composition -
	Accelator - Base
	Dalciumguphate 1) I-methy trimethy atholumin a) Titanium axide 2) iltanium axide
	3) alein Sulphete

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	Reaction -
	The calcium surplate added inthe I-methy thi-methy athoutmine
	uses -
	-It is used and pup capping -It is also used in the
2	- The Calcicum hydroxide is also used in luting of orthodontic bands.

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	an.
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18<u>-</u> -

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	Page No. Date: / /
-	
5.	
1	Gitc.
	ULLO
	- It is a tooth Coloured restorative
-	material.
-	- It is high in case of flouride
	- It bonds ionically to the tooth
	struture
	Composition.
-	Powder. liquid.
	Powder. liquid.
1	(1) Polyacrylic acid
15	with Gpolymer
2	Potassium Houride of maleic &
2) 3)	sodium flouride Itionicacia Calciam flouride derevaties
4)	advicent Houride derevaties Aluminium phosphate
5)	Alumina 2) Tartiric
5)	acid
2	silica.
	3) Water
	J UUIA

12 the	A
- HOUR	an.
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Page No.	Date:	1	1
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	setting reaction.
1)	leaching -
	The ions of Ca, Na, F, and others leach into the aquais medium
2)	Straigens Cross linking.
	-The sodium ions in the soin cross links with ithe polymested chain as coell Calcium ions also cross links
3)	The ions that do not form cross linking gets attached to the Hydrogen atom
<u>4)</u>	The silica get sheath gets foomed after the powder attacked by the liquid of polyacryllic acid.
5)	Matrix gets formed the unreacted jons gets surrainded to the silio the formed matrix

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	e) Hydration -
	Water at first acts as a medium for the reaction after the completion of reaction it Hydrates the matrix.
	silica get sheath foomation.
E)	-Mathix Fermation
	while the silve gel
	sheath
	a set of the set of the set of the set of the

Page No. Date: / / MIDSR LAQ 1. Cement - It is a material that CON attach two surfaces by its strength classification of cement. Low strength High strength 24 cements Cemen nealcium Hydroxick zinc phosphode D) 2) 2inc polycarboxylate There are various types of dental Cement dentistry In zinc phosphate/ oxyphagle zinc polycarboxy lote 2 Calcium Hydroxide 9

·《中秋	
	an.
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ŧ	Ideal properties of cement
	-The cement should be strong enough to hold the two surfaces attack to it.
	- It should have Good thermal
	- The cement should be able to Show the hold the prostant.
#	- It should be non toxic, non isoltant to the oral tissues
	and teeth. - The adour and the s rea should be good.
R	ues. ~
+	- Dental cements are used as high strength bases (zinc phosphate, zinc poly carboxylate.
t	It may be used as luting durin luting of cothodontic bands and brackets (they should be in luting onsistancy)

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國際	MD-
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Page No.	Date:	1	1	
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- SI I	AIDSR
	Define -
	amplication to an
	Composite is combination to or more macromolecule with a non metallic
	element forms the composite
	resins.
	10 Colling .
	Classification.
	in a los machinich
I)	Based on curing mechanism
_	I) Heat cure
	I light cure
	II) chemically aired.
	~
/	
TI	Based of filler particlesize.
5	
	I) Fine
	II) utrafine III) NaNofine
	TE) Hybord.
	Modern.
	I) Macrofiler.
	II) Middfiller Homogeneus. II) Nanofiller Heterogeneus.
	IV) Hybrid.
-	My rightered

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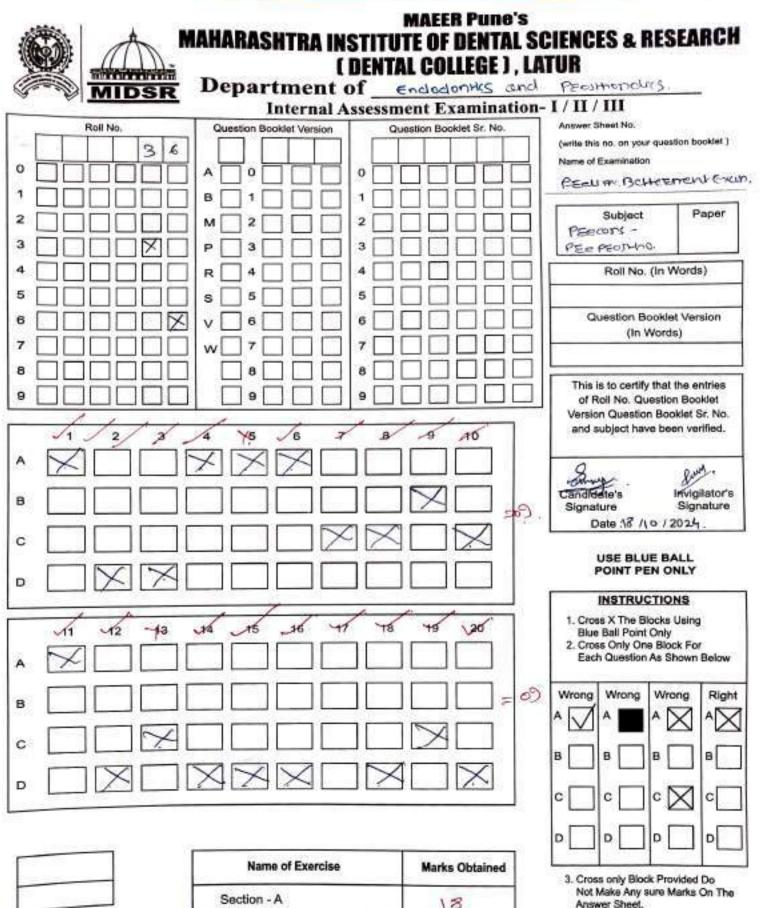
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	Marily
	III) According to viscosity.
-	
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-1	
-	Advan Langs -
-	- Confortable to the patient.
	the is Economical.
	with alound restoration so can
	he used in anterior as well as
	and loring tech restoration
	- Easy to manupilate
	- Easy to manufilate - Hydrophobic (no saliva inteference).
	Disadvantages -
1	5
1	- It is highly technique sensitive.
	- More equipiments needed
	- IF placed woonly sicaries can be
	Formed
_	
-	

	DSR		Page No.	Date: /
	Dar			
	uses of comp	osite.		
			opers	
	- used to	laminate ve	of H	he
-	Covity.			1
	- comentat	ton of the	Osthos	ONHC
69	1 and 6 hand	Bracket		
	- Inlay a	nd onlays.		
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	· Composition:	
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	- Calcium sulfate - Zive stearrate	1
	- Coloning agent - Retarder.	
E: 43	Dises: Differ vital pulp capping. Differ low strength bases took the aponification of the permanent took which lack complete roots.	
•	· Advantages: - Har Non-ionitant to the pulp. - Halp in the healing of pulp. - spares from secondary carries.	
	• Disadvantages: • Very low strength -> compressive -> 10-27.MP Tensile -> 1 MP Elastic with a 272 CD	
	 Mineral trioride Aggregate: <u>Uses: - As sealant and obtivating material</u> <u>- Can be used as not canal filling</u> 	۵

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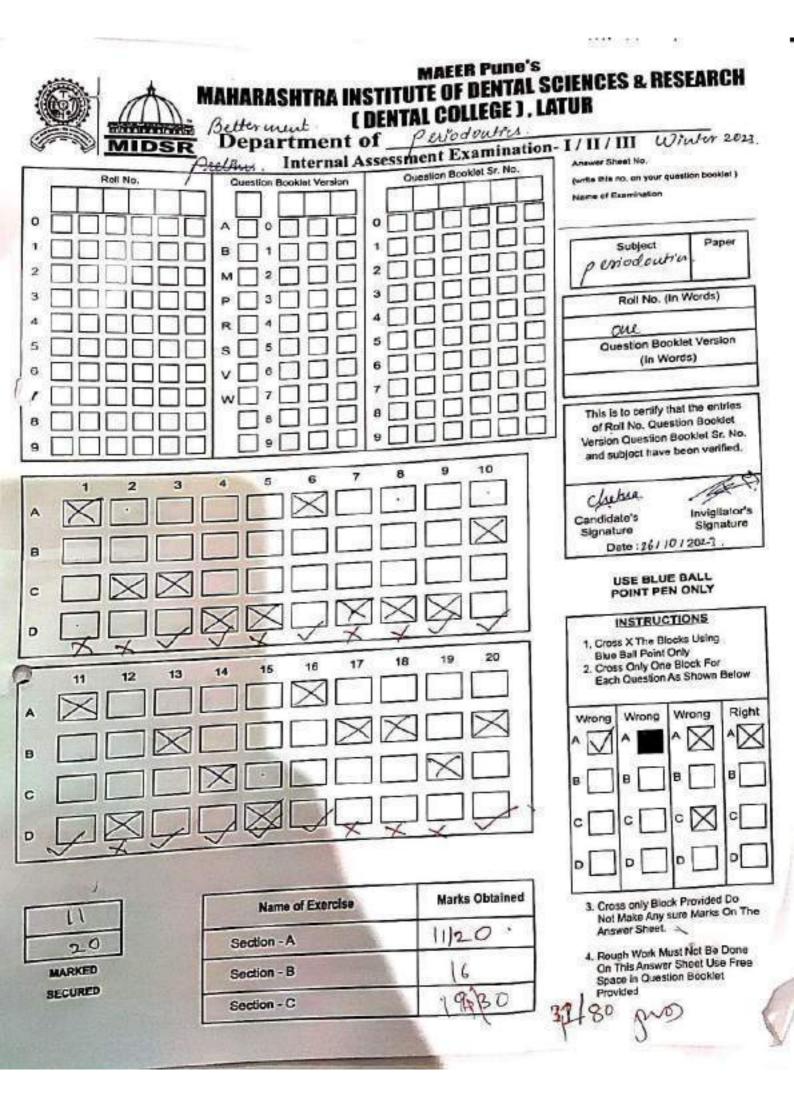
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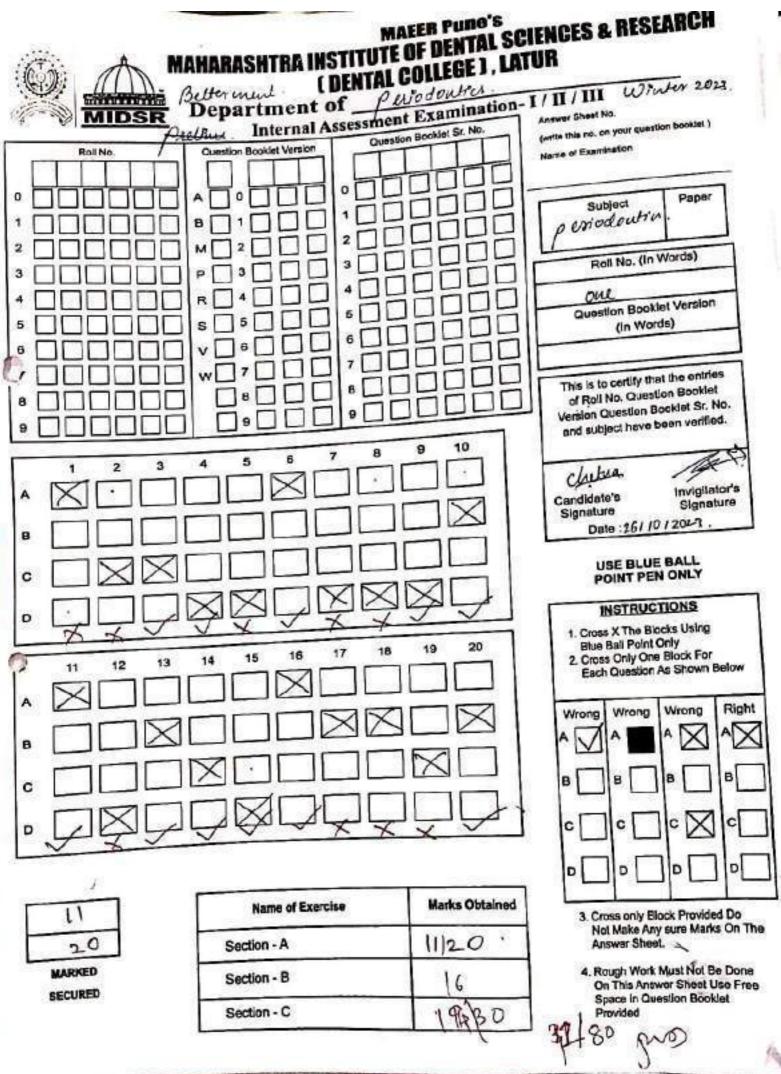


	Mineral trioxide Agg	regate (MTA) .
-	· Composition:	
	- Powder :	
	substance	Abundance
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-		- 10 - 1
30 ·	Coloning agent(hray) Liquid: This is composed of v polymer which impose eg. CPM sealer Fillaflex	
<u>}</u>	Liquid: This is composed of v polymer which impose eg. CPM sealer Fillaflex	iscous aqueous solution.
QS.	Liquid: This is composed of v polynex which impose eg. CPM sealer Fillaplex Fillaplex	iscous aqueous solution.
gr.	Liquid: This is composed of v polymer which impose eg. CPM sealer Fillaplex Fillaplex	iscows aqueous solution es the workability.
QS.	Liquid: This is composed of v polyner which impose eg. CPM sealer Fillaplex Fillaplex Composition of GIC Powder Substance	iscous aqueous solution.
QS.	Liquid: This is composed of v polymer which impose eg. CPM sealer Fillaplex Fillaplex	iscous aqueous solution es the workability. Abundance
QY.	Liquid: This is composed of v polymer which impose eg. CPM sealer Fillaplex Fillaplex Composition of GIC Powder Substance Silica	iscows aqueous solution es the workability. Abundance 41.9 %
QS.	Liquid: This is composed of v polymer which impose eg. CPM sealer Fillaflex Fillaflex Composition of GIC Powder Substance Silica Alumina	Abundance 41.9 % 26.8 %
	Liquid: This is composed of v polynex which impose eg. CPM sealer Fillaplex - Composition of GIC - Composition of GIC - Composition of GIC - Condex - Substance - Silica Aluminium fluoride - Calcium fluoride - Calcium fluoride - Calcium fluoride	Abundance 41.9 % 26.8 % 2.1% 7.1%
	Liquid: This is composed of v polymer which impore eg. CPM sealer Filleflex • Composition of GIC • Composition of GIC	Abundance 41.9 % 26.8 % 15.7%

" --- Developed of 1

	Page No. Date: /	1
· · ·	MIDSK	_
		_
-	liquid component:	
	-Tastasic acid	
	- Polyacrylic acid or copplymen of unsaturated aci	id
-	live maleir acid, tricat ballytic acid etc.	
	-Water.	_
		_
	Setting reaction:	
<u>i</u> -	Leaching of ions:	
<u></u>	When acid attacks the powder gons leach out	
	from the surface of powder into the aqueou	3
	inedicum. Jons -> Nat, Alst, Ca2+ & F	
	Calcium cross-linking:	
<u></u>	Calcium coves links with polyacrylic acid and	
	forms a solid mass.	
107	Aluminium couse links:	
	Aluminium cross-lipts with the polyacrylic acio	1
	chain and increases the strength	U:
Evi		
	sodium jour combine with acid ahain and so	MA.
CHR .	A A A A A A A A A A A A A A A A A A A	N
V-)	Vigation;	
	Water as dispersing medium increases the	
Ni	Brength by hydratian.	
Y),	Vieration.	
	unreacted glass particle forms core which is	
	surrounded by the sone Gel in the matrix	x.
	O O O Got	37
	Matrix	-
-	Unreacted glass particle	Å
	-stanting of set CIIC	





	Department of <u>PeriodenHes</u>	
	Name of Student: - Chiting Agranzal	
	Roll No. of Student :-	
	Name of the Examination :- Internal Assessment Examination	2023
	Date: 21/10 /2023 SECTION - C	
	Time :	
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_	Sign. of Student Sign. of Invigilator	1
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	SPECIAL INSTRUCTION TO CANDIDATES 1. Enter your seat number, name, subject, on the cover page of the answer sheet 2. Candidates should not draw additional margins as they are provided on each page. 3. Candidates should not write anything in the margin, except question number. 4. For each answer write the corresponding question number in the margin. Use the paper	1
	 Enter your seat number, name, subject, on the cover page of the answer sheet Candidates should not draw additional margins as they are provided on each page. 	
,	 Enter your seat number, name, subject, on the cover page of the answer sheet Candidates should not draw additional margins as they are provided on each page. Candidates should not write anything in the margin, except question number. For each answer write the corresponding question number in the margin. Use the paper judiciously. Do not waste the pages. Write on both sides of pages on the answer sheet, for short answer questions answers should be continued in sequence; do not leave blank spaces on the answer sheet. Supplements will not be provided to any candidates. Candidates are forbidden a) To bring books, notes, mobile phones, electronic gadgets or scribbling papers into the examination hall. b) Speak or communicate in any manner to other candidates while the examination is in progress. c) Take with them any answer sheet (written or blank) while leaving the exam in tegible hand writing. Candidates should write exam in tegible hand writing. If candidates want anything they should approach the supervisor without disturbing other candidates. However, they should not leave their seat on any account. If candidates disobeys any instruction issued by the examiner' supervisor or who is guilty or rude or disobedient is liable for disciplinary action to be taken against him' her by the Principal. Questions shall be solved serially or section wise i.e. answers should be written as per serial of 	def
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MIDSR ANUC in détail : ressite about deuxed 3 Sefine regeneration repair ceather S new attachment classify finese Involvement & beatment plan for furcator insulvement LAG Am: ANUG acute musstizing ulcerative gengin Wurcal features -Divert commonly seen in males, 2 patent complains of metallic task. G fetid adams is present. allers are present on the gingive Crater like ulcers are present in (s)

Date: / / Page No. IDSR Etiology -Stren - Acute munotizing ulcerative grigiester, is caused in patients tribing in strengful conditions. -2) Brusine unokilig, tobauo chewing te necostisling ulkenotre Can cause au gingi stis. ANUG is often rem in arm personnels. O Due to very ligh coud tions High alcole consumption can also be a major factor causion aute numbering ulderative ginginst Deficiency of standins and minerels like stands B. complex, stand n also cause suite nectoticing ulcerative gingivitis. (6) Caspin present in dillers can also instate the oral musora causing in the onal carry ulars

ment of aute lesion primary goa Topical anesthetic applied and pseudo menuto surface non-altached @ scend wit -· 2 days after first with patrent is evaluated for resolution erythinaton without superfin for signs pseudo. numbrane S Third wilt -- 5 days after second mil - Hydrogen peroxide sinse discontine chiphendine anoutlemash for 2-3 week Supportine therepy. - Filwd intake, soft untertrain

Date: / / MIDSR Page No. Date: / / 2. tus: Non Rea Hachungent -The union of connective time totthe or epithelial time with the not surface that has been deprined its original attachment. Repair Healing 1 wound by tissues Bully service the that does architecture or function 4 part New attachment union of connectore The with the tissue or epithelial tim noot surface classification of Fuscation glockman Grade I - invertent stage, suprabory pocket Grade II - cul-de-iar epade TO - Bone is not attached to funcation. Grade II - soft torre apically receded.

T Page No. Treatment plan Root scaling along with dente Facilitate maintainance Bevent further bone loss 0 O obliteration fuscation defect yrade I conservative periodontal beatmut al hygiene maintain aling & noot plann Scaling " noot plans 7. Garde FT and peterstry. epade TT to TT -Non-susgical peatment Periodontal surgery Endodontic therapy Restoration of touth

Page No. TTTTTTTTT MIDSR ENAP " .1) is excitonal new attachment procedure new 11 is a provedure le forme a aHachmen It is a subging that antetage performed Indications -D Shallow pockets D. Suprahony poelect. D Educations & Inflammed - tissue @ Adequate Keratin and tissue @ Esthetres are unimportant. con advantages -@ supposed not itualization @ complete removal of sulcular @ Minimal ginginal bauma @ No lors of peratured ginging

Dale: 1 1 Page No. 3CH MIDSR Local prig pellicity Page No. Dato: / / grallable as an adjun was adjunct to sealing root planing in order to onta pucket depth and inflammation Classification -Remonally applied patrent at home. 700-Alon - sustained subglinging drug A deliver Home oral integation delivery. B. Sustained subginginal drug professionally applied TI. 1. Non-sustained pocket integation dense end needs professiona Syssinge with blunk B. sustained

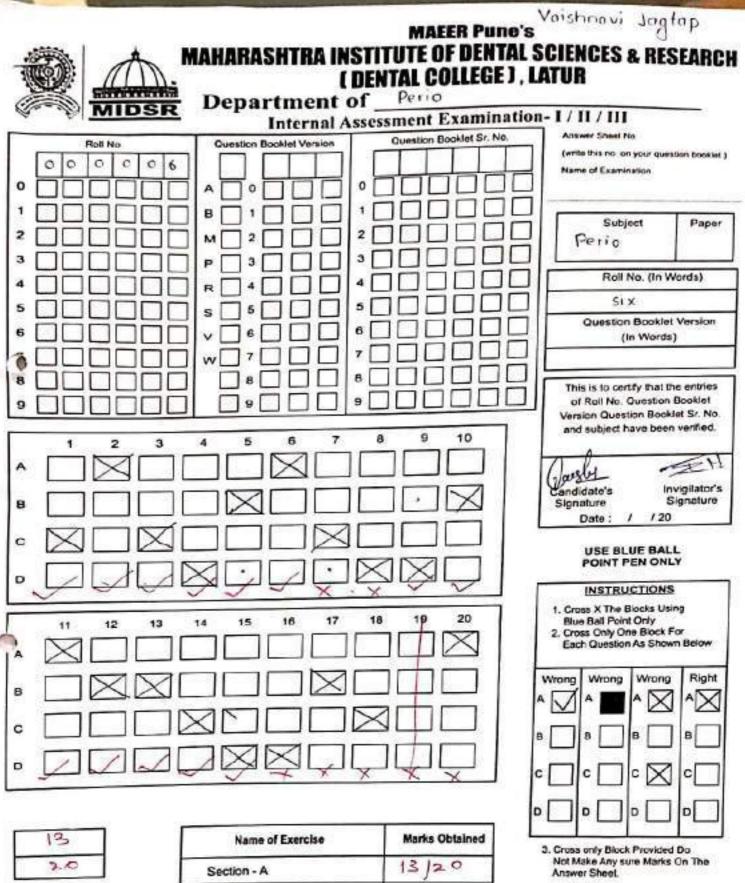
MIDSP Page No. Jap-1ap surgic destying surface 200 Classification 2 yper . Honzontal Preiston-- Internal benel Inuson - Centralar inchron. - Interdental Incision, B Vestical incision. . Obleque releasing Inchision

Page No. Date: / / Chlowhendine is and generation chemical plaque compel agent It kills hannful microorganoms that causes periodontal problem It interferes with plague formation. Mechanison of action -CH2 gets attached to salivary potens. & desquemated epittelial cells. Blocks addre groups or salling glyco proting Reduces gly comptein adsorption on tooth Presents pellile formation alsual dosage is 15 ml of undiluted carries sive patrent. Useo : Adjunct orthodonte wearer morable & fixed denture stometthe (G)Treatment day soulet

Page No. Date: MIDSR glucons Ingredieus chlomberudene lyunn 6 Alcohol 3 agent 6 Flavouring 4. sisseitme asseous 98 teps dus: MAD GLA gooving 0.006 î vertical Radicular blending 6 gooday Monizoutal 6 4 Scribing Goodualizing interprover und 5 Bone 1

Page No. Date: MIDSE gluconet Ingredies Implesidence glyann 0 Alcohol 3 agent Flavouring G 4. section 98 tops osseous in dus: grooving 3 vertical Radraulan blending 6 G Monizoutal grooting Scribing 4 yoad uc living (F Inter proze un Rome

Page No. Date: 1 1 Methods of GCF collection -Aus: Subracenterlar 1 Extro conscular 6) Preweighed twisted threads 3 Meropipettes or capillous 9 lyingical wasting method Ø and periodonthus 10. Smoking dus:



MARKED

Name of Exercise	Marks Obtained	
Section - A	13/20	
Section - B	12/30	
Section - C	15130	

4. Rough Work Must Not Be Done

Provided

40

On This Answer Sheet Use Free Space in Question Booklot

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Name of Student :	laishoovi Jaglap	
Roll No. of Student :-	00006	
Name of the Examina Bettermen Date: 26/10/23	SEC"	essment Examination
Time :		
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Sign. of Student		Sign. of Invigilato
	SPECIAL INSTRUCTION TO CANDID	
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	- E	(2 + i) = i
	1.	

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3	
	Flap
	Devication -
	D Line or giogin
	A periodontal plop is a section of gingiva
	MULACA SUTAICOTIN STP
	tissues to provide distancy
-	bone and root surface.
	Classification of periodontal flop
	Classification of periodontal flop 13 Non-displaced flops
	2) Displaced Llaps.
	Incisions used in periodontal glap.
	0.1
-	1) Horizontal incisions
	27 Creviculor incisions
	3) Interdental incisions
	3) Interdental incisions.
	9.
1	
1	
	ENAP : Excision New Aller D
1	Excision New Attachment Proc
1	Indication New Attachment Proc
1	Indication 1. Suprobony pocket
	Indication 1. Suprobony pocket 2. Gingival enlargement
	Indication 1. Suprobony pocket

	Page No. Date: / /
1	minimal gingival trouma
	- No loss of kerotinized gingiva.
	Technique - Internal bevel incision
	Remove the excised
	help of curette.
	(1) Approximate wound ridges.
	(1) Approximate wound ridges.
	8
4.	
	Steps in asseaus ressective surgery
	It includes 2 different steps.
_	() edecolosty
	- 17 is the restapting of
	process to achieve a more physiologic form
_	without removing supportive bone.
	(Critical Control of C
	(2) Ostectomy :
_	14 is the excision of
	portion on a cone
-	periodonial surgery.
-	
-	6122
	(1) J
	1
-	
7	
1	7



Page No. Dre Methods of Gcf collection 7) (GCF - Giogizal Clavicular Fluid) > Weighted thread method :. A thread of is placed ascund the took in the gingival crevice. the volume of collected fluid is measured by whighing the sample thread. 2) Absorbing filter poper ships. 1) Intracievicalor 2) Extracrevicular 3) micropipettes (on copillony tubing

A.	mm	Alicon Sind	frue movue
AIDSR		Page No.	Date: / /
Couses of pothological to	torpim atta	tion .	30
"> Pathological tooth	nigration) -	
It is tooth	displacement	that	results
when the balance of maintain physiclogic	tooth posi	factors	disturbed
by the periodental d	isease		
Couses :-			
	5 1 L	1	
1) periodontal	inflommat		
2) periapical	in flomma ti	ion .	
3) bone loss		1	
37 00110			
4X closs 11	malocelusion		
57 occlused	interference	1.	
(12) 67 Hobits	(lip biting ,	tongue	throusting)
		(1 0)	
			2

191	MIDSR Page No. Date: / 1
9)	Non-specific plaque hypothesis :-
	H states that accumulation of activity of all types of dental plaque is responsible for oral disease, regardless of the virulence of the specific pathogens involved
	proposed by Miller in 1890
.5	127 All plaque is equally pathogenic - no qualitative dibbeiences in plaque exist.
6	Smoking & periodontium:-
	() 19 stimulates the inflommatory response.
	@ Impairs protective response
	(3) accelerates periodontal destruction
-	Acid taste in mouth
	@ development of ulcers. (1)
	6) reduces blood supply.
+	

- Attorned ginging (non marcow)

BR	Page No.	Date: / /
chlorohexidine		
J. It is a disinjectant	4 onfiseptic	
2. Used to treat gingivit		
3. helps to reduce the	inglammation	0
4. reduces gum bleeding.		
s. Commonly used as a	ntiseptic me	wh wosh .
6. Used for oral hygiene		
7. treatment of denture socket.	stomatis 5	929
6. Post oral surgeoy incl	uding period	lontal
surgery or root plan		
(12)		

.......... Date: / / LAQ . Page No. - Acute neurotizing Ulcerative Gingivitis ANUG 1. Introduction 1. It is the microbial disease of the gingive. 2. It is charachterized by sudden information, pain 3. Pour-aral bygiene causes ANUG 4. Malputrition causes ANUG Clipical Features 1. Ulceration in the mouth. 2 Reduced mouth opening & 2. Difficulty_io_talking_ Difficulty in swalling 5 Burning sensation 6. Inflammation Sudden poin 8. Bleeding accurs



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etiopothogenesis :		
1. 1t is microbial disease		
2. Poor oral hygiene		
3. Molnutrition	*	
4. smoking		0
5. physiologic stress.	11 1 1 1 1	
Treatment		
1. Gentle debridment	1	
2. Improved and hygiene		
3. Mouth rinses		
4. Supportive case 5. Antibiotics are given.		
1	<u>x</u>	

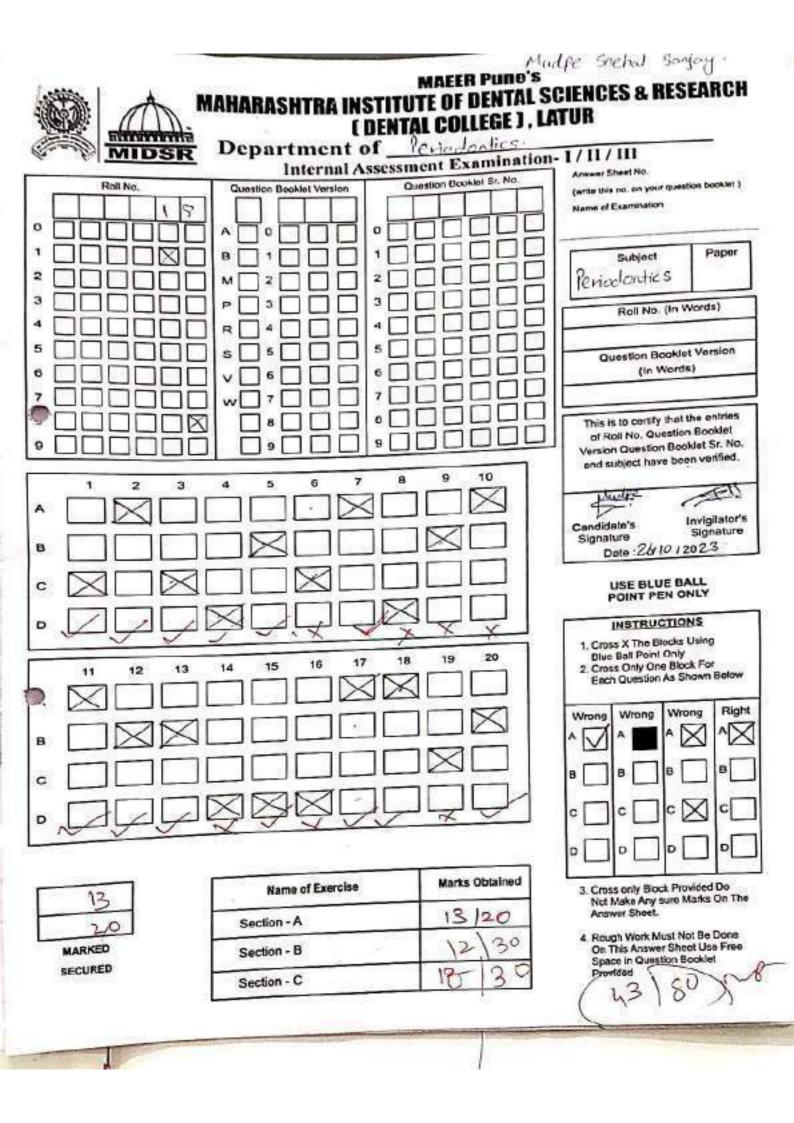


2)	
4/	Regeneration :-
	Repair:- Healing of wound by tissue that does not jully restore the function of the port. Reattachment:: The reunion of epithelial 4 Reattachment:: The reunion of epithelial 4 connective tissue with a root surjore. New attachment - The union of connective tissue or New attachment - The union of connective tissue or epithelium with the root surjaces that has been deprive of its original attachment.
	Classification of Furcation involvement: Classification of Furcation involvement: Grade I - early stage of jurcation involvement. Grade II - jurcation is col-de-soc 4 has Grade II - jurcation is col-de-soc 4 has Grade II - The bane is not attached to the Grade III - The bane is not attached to the Grade IV - Interdental bane is destroyed of the Grade IV - Interdental bane is destroyed of the hat surcation apening is clinically seen that surcation apening is clinically seen



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Page No.	Date:	1 1
and the second sec	10,000,000	

Tarnow & Metcher classification. 3 mm 1 10 vertical depth A 6 mm 4- 10 vertical depth 8 more . 7 mm OT vertical depth 2 C Treatment plan :-- conservative periodontal treatment. for - oral hygiene scaling and root planning. For doss II furcation :-- localized flop procedure and a second fit - odontoplasty, asteoplasty ostectomy maintaine 10/11.1 closs III burcation :-... for Periodontal surgery endodontic surgery restoration of tooth may be recquired.



Roll No. of Student :- Name of the Examination :- Internal Assessment Examination Bettern Date : 26 / 10 /2023 Time : 2: 00 fm Judfe Sign. of Student SPECIAL INSTRUCTION TO CANDIDATES 1. Enter your seat number, name, subject, on the cover page of the answer sheet 3. Candidates should not draw additional margins as they are provided on each page. 3. Candidates should not write anything in the margin, except question number. 4. For each answer write the corresponding question number in the margin. Use the paper Judiciously. 5. Do not waste the pages. Write on both sides of pages on the answer sheet, for short answer sheet. 6. Supplements will not be provided to any candidates. 7. Candidates are forbidden a) To bring books, notes, molle phones, electronic gadgets or scibbling papers into the examination hall. b) Speak or communicate in any manner to other candidates should not dree exam in all. 8. Candidates should be the examination hall. b) Speak or communicate in any manner to other candidates should not me examination hall. b) Speak or communicate in any manner to other candidates should me exam in all. 8. Candidates should me exam in all. 9. Candidates should me exam in all begine hand writing. 10. If candidates should not deaw hall depreach the supervisor without disturbing other candidates while the examination is in progress. c) Take with not be allowed for exemination 9. Candidates should me exam in algoit hand approach the supervisor without disturbing other candidates while the examination is used by the examined supervisor or who is guilty or rude or disobedient is liable for disciplinary action to be take nagainst him her by the Principal. 12. Questions shall be solved serially or section wise i.e. answers should be written as per serial of questions.		Name of Student :- Mudge Snehal Sariay:		
Name of the Examination :- Internal Assessment Examination SECTION - C Date : 26 / 10 /2023 Time : 2: 00 pm July Sign. of Student SPECIAL INSTRUCTION TO CANDIDATES 1. Enter your seat number, name, subject, on the cover page of the answer sheet 2. Candidates should not draw additional margins as they are provided on each page. 3. Candidates should not draw additional margins as they are provided on each page. 3. Candidates should not draw additional margins as they are provided on each page. 3. Candidates should not draw additional margins as they are provided on each page. 4. For each answer write the corresponding question number in the margin. Use the paper judiciously. 5. Do not waste the pages. Write on both sides of pages on the answer sheet. for short answer sheet. 6. Supplements will not be provided to any candidates. 7. Candidates are forbidden a) To bring books, notes, mobile phones, electronic gadgets or scribbling papers into the examination hall. b) Speak or communicate in any manner to other candidates should write exam in legible hand writing. 8. Candidates should write exam in legible hand writing. 10. If candidates should write exam in legible hand writing. 11. If candidates disobeys any instruction issued by the examined is supercised to be guily or rude or disobedient is liable for disciplinary action to be taken against him/ her by the Principal. 12. Cuestions shall be solved serially or section wise i.e. answers should be written as per serial of questions.				
Date: 26 / 10 /2023 SECTION-C Date: 26 / 10 /2023 Time: 2: 00 pm Judge Sign. of Student Sign. of Student Sign. of Invigilator Second Student				
 Date : 26 / No /2023 Time : 2: 00 fm Juffe Sign. of Student SPECIAL INSTRUCTION TO CANDIDATES 1. Enter your seat number, name, subject, on the cover page of the answer sheet 2. Candidates should not draw additional margins as they are provided on each page. 3. Candidates should not draw additional margins, except question number. 4. For each answer write the corresponding question number in the margin. Use the paper judiciously. 5. Do not waste the pages. Write on both sides of pages on the answer sheet, for short answer questions answers should be continued in sequence; do not leave blank spaces on the answer sheet. 6. Supplements will not be provided to any candidates. 7. Candidates are forbidden a) To bring books, notes, mobile phones, electronic gadgets or scribbling papers into the examination hall. b) Speak or communicate in any manner to other candidates while the examination hall. b) Speak or communicate in any manner to other candidates should write exam in legible hand writing. 8. Candidates supected to be guilty of any of the aforesaid acts will not be allowed for examination blank, while leaving the exam in legible hand writing. 9. Candidates word anything they should approach the supervisor without disturbing other candidates. However, they should not leave their seat on any account. 11. If candidates of sobeys any instruction issued by the examined supervisor or who is guilty or rude or disobedient is liable for disciplinary action to be taken agains thim ther by the Principal. 12. Questions shall be solved serially or section wise i.e. answers should be written as per serial of questions. 		- Datherson		
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Page No. Date MIDSR SAQ. 1. ENAP. Procedure New Allachment Encisional Indication 1. Suprabony pocket. Kendinized tissue. 2. Adequate 3. When est are not important esthetics. 4. Gingival enlagement. Contra indication kentinized tissue * An inadequate zone of that outer & beyond mullingive lin 2. Pockets to-3. Highly inflamed tissue. 4. Edematous tissue. 4. Patients with poor oral hygiene. 5-Advantages-1: Improved not of visulization. 2. Minimal gingival trauma. 3. No loss of Keratinized gi Keratinized gingiva. 3. Disadvantage-1. Difficult to determine apical entent of epithelial attachment. result in new attachment 2. Opes Droledve

Mude Snehal Sanjary Page No. Date: 1 2. 00. local Drug Delivery. LOD aims to disinfect pathogen reservious deleverin high concentration of antibiotics direct the site of periodontal infection & retention of s directly to Classification : I) affusion controlled systems. 1. Reservoirs 2. Matrices IT's Chemically controlled systems 1. Bio-adible systems. 9. Pendant chain system TILY Swelling Controlled Systems. 7 TV) Magnetically controlled systems.

Page No. Date MIDSR 3. -lap. Definition 1 Periodontal the 50 100 nor 01 Seperat 10 underlying provide the Visi 77 1:issu 0 he not Sculace. bon CON 0 Periodontal Incisions used FLOIP 2 in

Mude Snehal Sanjary. MIDSR Page No. Date: / 4. Steps in Resective Osseous Surgery. 1) Vertical growing. 2) Radicular Blending. 3) Flattening of interprovimal bone. 4) (madualizing of marginal bone. 1) Vertical growing: The general thickness and subsequed from alrealar usually done by whany instruments TH as carbide or diamond hurs It is designed to : Reduce the thickness of alveolar housing. relative prominence to the Provide tadicular aspects of the teets 3. Provide continuity from the inter proximal surface onto the fadradar surface



Page No. Date: Radicular blenchig. The second step of the assecus realing technique, is an extension of vertical graving It is an attempt to gradualizing. He kne over the entire radicular surface to poside the best results from vertical growing Tt provides amooth, blended surface for good plap adaptation. 3> Flattening of interprovemal bone." · It is the step of osteetomy. Removal of very small amount of support -Indications . Iwalled interprovimal defect. Contra-indication Advanced hemiseptal depect.

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and I aminu MIDSE Page No. Date: / / Chlorohemidine: 5. Control asith having outstanding bacteriostatic & bacteriocidal properties. "It is effective on both gram positive & m negative bacteria gram Action How It Act 1 Uses 1) Used as an adjund to and hygiene 27 Post and surgery including periodontal surgery or voor planning. 3) To patients with inner monullary firration. \$> High cances risk patied. 57 Recurrent mal ulceration 6) Removable & fined orthodontic weares. 7>TIt of denture stomatilis & dy sources. 87 For oral hygrene 6 gingival heatth.



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	3) Oral mucosal exision.	1	
	4) Enhanced supraginginal calculus	Bormation	
	5) Parotid gland swelling.		
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Mude Snehal Sanjary. MIDSR Page No. Date: / / ntrabory Defects: 6. ects in interal veolor book usually can be Classified as. 2) According to Glick 1) bese miseptal delets. 4) Popercel . Reversed arc 5 One walled defect Three Combined defect. Tymbary 97 depet Base of the pocket is veolat bone apical to crest of alveolar bone destruction Vertical Patternal Interprovimally transeptal fibers oblique 610

Page No. Date Methods of Get collection. 97 · 17 Absorbing paper strips e> Intractericular washing. 37 Micopipelles 4) Twisted threads 8> Causes of Pathologic tooth migration PTM refers to tooth displacement that results when balace among lactors that physiologic tooth pesition is distribed by periodental

MIDSR Page No. Date: / / Non-specific plaque hypothesis 0. states that periodontal disease results from the nonious products released by entire plaque flora. . . . 9 . j, . 1

Page No. Date: LACO. Regeneration : Repers to reproduction of a lost of red dissues that the architectecture action of last or injured tissues are compretely restorest. injured and Repair Describes healing of a wound in response to injury in an attempt the restore normal Structure & function. Reatlachmont attachment to a nort surface surgically echanically deprived of its PDI hissue. ibrus Re-atlachment: was prejerred in the gituation brows attachment was restored, the situation where pn not surface depived of its COONCEFFE tissue

Mude Snehal Sanjary (nun morunio) MIDS Page No. Date: 1 Classification of Furcation. Grade 1 - incipient stage of Suproboy pocket Jucation Garade 2 -Cul-de-Sac Honzontal Component. Grades - Bone not attached to dome a furcation Grade 4 - Bolt tissue apically received. -V. 7

ANUG

		Pege No.	Date: / /
> Acute	Necnstizing	ulcerative Cr	ingivitis

Tt is an inflammatory, destructive discuss of agive which presents characteristic signs & sympton gingiva

Etiology Local predisposing bactors Smolling. -> Direct touic effect of tobology toon gingiva.

-Injoy to gingina . Pre-existing gingivitis. Systemic Predisposing factor

Nutritional deficieny - goor diet. Vitc

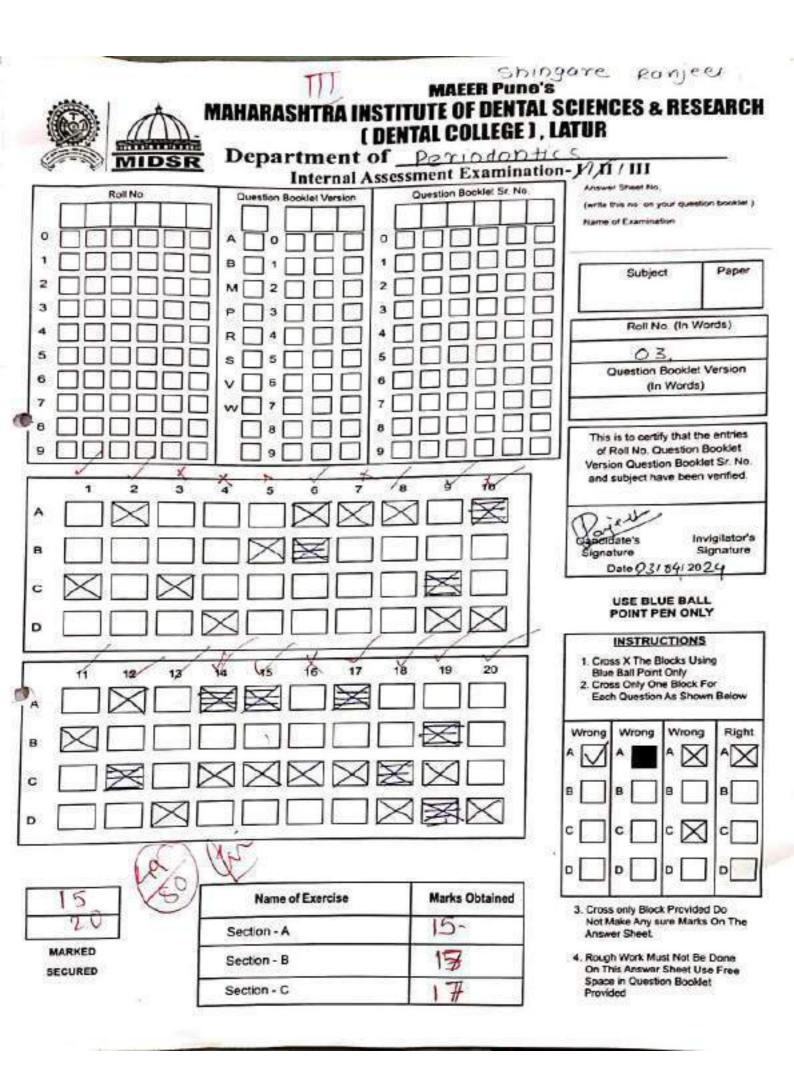
Clinical Features :

Intraoral signs

aut, crater like depression at crest of interdental papilla.

Cringival hemorrhage

MIDSR Fetid odor. Date: / / Page No. Trueased Salvation Intraoral Symptoms: leading are sensitive to touch. Metallic foul task present. Pt. clo radiating pain. Fritraval signs & symptoms : To mild to moderate stages of disease local lymphadenopaty In severe cases, high feuer, increased pulse rate, leutouges, loss of apetite. AT6



Roll No. of Student :- Roll No. of Student :- Bate : 2 3/04/24 Time : Big: Student Sign. of Invigilator SECTION - C Date : 2 3/04/24 Time : Big: Student Sign. of Invigilator SPECIAL INSTRUCTION TO CANDIDATES 1. Enter your seat number, name, subject, on the cover page of the answer sheet 2. Candidates should not write anything in the margine, seet question number. 4. For each answer write the corresponding question number in the margin. Use the paper Judicibusly. 5. Condidates should not write anything in the margine, except question number. 5. Candidates should not write anything in the margine, except question number. 5. Condidates should not write anything in the margine, such question number in the margin. Use the paper Judicibusly. 5. Do not waste the pages. Write on both sides of pages on the answer sheet. for short answer sheet. 6. Supplementis will not be provided to any candidates. 7. Candidates should be continued in sequence; do not leave blank spaces on the answer sheet. 8. Supplementis will not be provided to any candidates. 7. Candidates should write examination hall. b) Speak or communicate in any manner to other candidates should write examination hall. b) Speak or communicate in any manner to other candidates should write examination hall. b) Speak or communicate in any manner to other candidates should write examination hall. b) Speak or communicate in any manner to other candidates should write examination hall. b) Speak or communicate in any manner to other candidates should write examination hall. b) Speak or communicate in any manner to other candidates should write examination hall. b) Speak or communicate in any manner to other candidates should write examination hall any of the aforesid acts will not be allowed for examination 8. Candidates should write examination teave their seat on any account. 11. If candidates what the examination teave their seat on any account. 12. Questions shall be solved carially or section wise i.e. answers should be writt		me of Student :- Sh	ingare	Ranjeet	Deepak.
Name of the Examination :- Internal Assessment Examination Texter me Date : 2.3/04/24 Time : Sign of Invigilator SPECIAL INSTRUCTION TO CANDIDATES 1. Enter your seat number, name, subject, on the cover page of the answer sheet 2. Candidates should not draw additional margine as they are provided on each page. 3. Candidates should not draw additional margine, except question number. 4. For each answer write the corresponding question number in the margin. Use the paper judiciously. 5. Do not waste the pages. Write on both sides of pages on the answer sheet. for short answer sheet. 6. Supplements will not be provided to any candidates. 7. Candidates are forbidden a) To bring books, note, mobile phones, electronic gadgets or schebiling papers into the examination hall. b) Speek or communicate in any manner to other candidates while the examination hall. b) Speek or communicate in any manner to other candidates should write examination hall. b) Speek or communicate in any manner to other candidates should write exam in the globe hand writing. 8. Candidates should write exam in the globe hand writing. 8. Candidates should write exam in the globe hand writing. 10. If candidates used to be guilty of any of the aforesald acts will not be allowed for examination 9. Candidates whent anything they should approach the supervisor without disturbing other candidates theower, they should approach the supervisor without disturbing other candidates disobays any instruction issued by the examination the properiod. 11. If candidates disobays any instruction issued by the examination have be provided to reach any account. 12. Questions shall be solved cerially or section wise i.e. answers should be written as per serial of		1 million and the second se			
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- -----MIDSR Page No. X according to mangement Date: / B) 3 is conventional Flap. (i) eapilla preservation Flage. according to pasition. (C) i) displaced flag. ii) apical flap. iii) coronal FLOP modified widman Flap. <u>it is</u> modification of widman Elap. in 1962 - PO ON!" widman flap 15 discovered by scintist widman. ···· In modified withman Flap pumpul Less. conective tissue loss. 1 14 19 1 modified widman FICP. FIG 3.10

Page No MIDSR # croals Pocket elimination Allow perio disease to beau progressively Self cleaning of teeth Regeneration OF 105+ Sypportive Hissue i.e. bone, cementur, Cel Indication OF Flap. Inregular bony contur Deep Greaters. Grade II & THE Furection Root hemisection -Deep pockets Advantages. Adaption of hearthy connective Hissue to root surface, Better esthetics when compared to apically positional Flap, less potential for root to aprically positione defice

12.202.0 Date: / / Page No. 2 WHO PERIDITION a specific but highly variable structur entity resulting from colonization & growth of micro organism of various. species & strains of bacteria on the surface of teeth / restoration a intercellur motris embeddet in_ plaque. 1058ification OF Plaque peri impiont according Cost plaque to coetton subgingival Supra -PTague. Pigque Tooth associate. + corona, Hissue associated marginal 2 -



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Some gram cocci & rods 4) Aged Suragingival plaque there. is do increase in the percentage. OF gram negative anacropic Bacteria. 5) Subgingival plaque formation a) tooth attached plaque. bacteria with gram cocci grods. b) Epithelia attached & unattached, plague, mostly gran, mots &. Spincher.

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MALER PUNE'S TE OF NENTAL SCIENCES & RESEARCH



Page No. Date: / / AQ (1) a) vertical corpoving b) Radicular Blending () Horizoptal arooving. 2) scribing e) corgedalizing Interproximal - It is the first step because it. & subsequent form of alveolor. bousing, - It is usually bone by rotory. instrument, as carbite or dimon bur. b) Radicular bleeding. - It is an attemt to gradulize. the bone over the entire. nadicular surface to provide the. best result from vertical amoving-It provider strongth blended. surface for good Flap. a daption. C) Horizonter convoluing.



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MIDSR Date / / Page No. gingive Recession gingival recession is loss of gingiva Following are the treatment of The gipgival Recession is according The Treatment plane to a sevanity of the gingiver Recession 1) Scaling & root planing This treatment are used for II gingiva CLOSS T and CLOSS ID this treatment ultrasonic Recession Scaling are done. & also root after that pt. calling after. Planing 21 days if REEESS in persist surgical then we done thits treatment. 2) Flap Surg periodoptor Elap Surgery. in this treatment gingival. Recession is cover with periodon C ter Flap surgery 3) maintance phase. - Adv. pt to mainterin good area Hygen & US& 0.27. CHX twice a day & Bryning with modified bass technize.



Date: Page No. 1 3 BANA. is used in Banta teast TIROF ULDE it is practical lest for char sid The Bano test various microbes. For the Hau'tosi's are tested P. gingiuntis lire. Bana test is responsible for identification of Koustive the organsium for Hautosis. a) T. depticolo 6) p. gipgivols. F. Forsythesis. SITIP which composed test of benzony | pl - acginin. a. papth of amide & detect short & proteolytic forthy acid drain oblique Fadty acid prolo' -4 - negative Obliguat gram Hydrolyze the ane trobs, ionich try \$ sin substracts. System is cause Hall'tosis. and result OF negostive Horesense Sam Ple collection means - Emproper piscose - is associated with th non Bana organism. prence charlisi'de Advantages -- SPECFIC. - Enerpesive

MIDSR Date: / / Page No. Bone grafts for reconstructive 5 Surgery Bone grafts is used for the reconstetive to the Bone in oral cavity 3 types - i) xenagroft ii) Aoungroft Following are various stages of. Bone grafts. (B) (0) 10



calculus.

7)

Page No. Date: 1 Subgingival Calculut

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	it may be localised or generalised	17 may be localised or generalised.
	gingival recession are not seen.	gingival. recusion are seen.
-	NO BONE LOSS	Bone loss are seen.
	scaring & noot planing	curradege or. Scaning & 100+

margina ginare MIDSR Date: / / Page No. factors determining individual. 8 tooth prognosis Following are the factores 33 d D Pt. coopratration. 34 2) Bone loss 3 G) any other systemis diseased. S) age of Pt There are three factors deter mining individual tooth prograssis. 1) (nood. 2) Fair. B) poor. - Pt is coopratitive. D (2000. .. NO BODE IDSS. - minimal gingiver recession. No other History of systemic dis Pt coopration is overage 2) Eair prinmay interdence Bone 105, gingival recession arr. - History of other syltimiz direage

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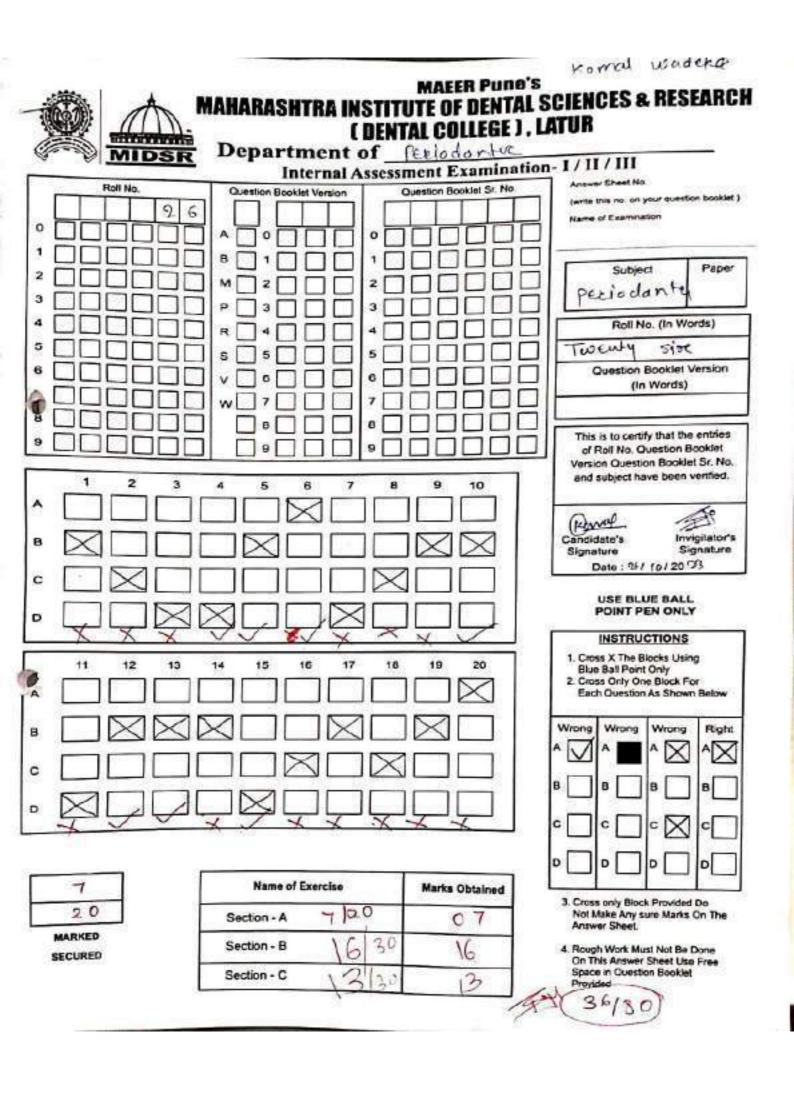
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1) caused by exssesive occlusal forces HIN I THE ST 2) under the forces of occlusion or tooth rotates around a Furcium which creates pressure & tension, on opposite site of fullyur. B) slightly excessive presserve stimulate resorbtion of alveorer. bone with compression of por Flibres. gighty excessive tension - cause, elongation of PPL Fibre & Obsorbte of alveolar bone and a first and the second second second Slareas of Increased Pressure. the blood vessels are numerous and reduced in size & in increased + ension they are i & plarged; Stage IT repair. constanty occuring in the. TREPAIR 15 pormal periotontium & TEO Stimulates. ncreased reparative autivity of the samages Hissue and removed, & new connective tissue, cell Fibres bone & comentum are Pormet in an attempt to. restore the injuried periodontiun. 114



	Name of Student: Komed Hannawhad Wadekar
	Roll No. of Student :- 2 6
	Name of the Examination :- Internal Assessment Examination
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Г	SPECIAL INSTRUCTION TO CANDIDATES
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Page No. Das MIDSR SAT 0 ENAP =) Excisional New attachment Procedure, cure thouge po It is defined as subginginal with a knife. made from marchin Internal bevel incision is bettom at the packet Remove the excised fiscue with a curettage Root plane all exposed comentum Approximately the wound edges dressing a periodontal Place sutures & -2 0 drug delinony (LDD) local => res ecuiona 200 aims to disinfect pathogen al antibiotic by delivering high concentration directly to the site of preciodontal infedirection of medicament by renough result. to ensure feed drug delivery Painciple site for 1) Natural reservicon 9) Early alletthe for insection of denicity medium on drug meny 3) GCF is a learlying 19 crete distributed from packet. Agent used in LDP terrayclin · Porycydin - minourun · metronidard.

Flap Define + Flap it is the cut of perloclasted lisement tor the swegery. A precidental plap is a section of ginging 2 or mucosa sugically separated from the underlying tissue to provide visibility 4 acces to the bone 'a rust surface. Two types -Horizontal inusion - Internal benel invision - coenicular incrision - Snteedental Inarian 2) vertical incision - oblique meleaning incision. (9)-9 in osceans respective sugery -= steps five stepe → Vertical grooning e) Radicular blending Horizontal growning 4) Sonibring interpreximal bone. * Relective ascens sugery as the pracedure by which changes in almedice buse cam be accomplished to the it of determatities induced by the periodontall alsences process or other related tacter such as exostose & tooth cupod emuption

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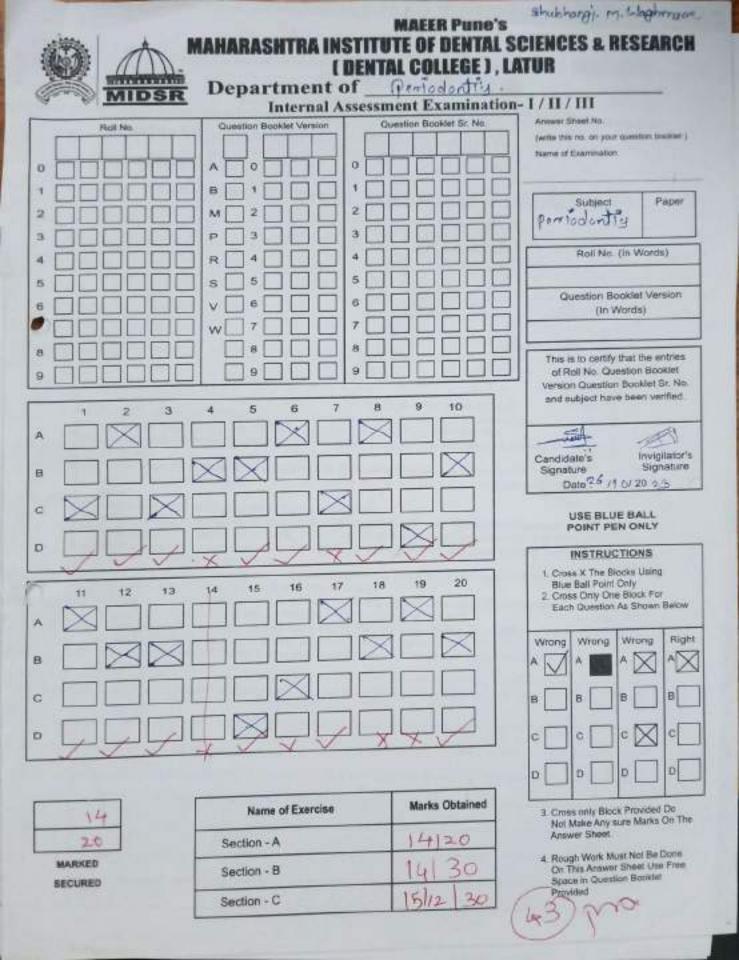
MIDSR Date: 1 1 Page No. 711 (9) Non-specific plaque hypothesis.) Periodontal diseases was believed to result from an accumulation of plaque over lime in conjunction with a diminished host raponse a increased host susceptibility with age. states that periodontal directes resulti from the nations products released by - limitations of Non-specific plaque bhypothair-. Some individuals with good amount of plague 1 Calculus develop ginginits but never develop destructive Same individuals with recodentity demanstrate Sile specificity in the pattern of diseases (10) --- 9 smoking & peciodontium. _) 1 0 Smaking is avosacjuted with wide spectron of disease including stroke, "coronary arelien discover, peripheral article discover, gastre what the classification of smaker 0 1) Heavy , smoker light smoker formez cmotuz 31 4) Non - smoken F

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Define PNAP. P.1 Dathition - - Internal based inclution with remarker EMAP is excised tripues bollowed by scalling & sumstage Indication - Suprobony packed - Adequate baratinized time - when eyHetting unimported - wingital enlargensed Advantaged - Improved most visualizaty-- minimal ginginal trama - 140 Jay at Keralineded signed LOD local drug definant 2> -3 12 Dibterion control dysting A . Reforming B. matricey 11) chemically controlled ytatem A - Bio - orodible system B · Pendant chain system 1112 suelling controlled yster (v) magnetically controlled statem

Page No. Chater / / MIDSR Define -blap classify incloon used in periodonia tap 2) Definition-1 stap A pariadonial slap is a doction of grash and an mycoda dunatically deparated brown the under - Hirg tribue to provide visibility & access the to the base of root duratas clavitication as Incision used in periodontal tap 1) Theored berel Incluion 2) crevicular inclian 3> interdental inclusion a) euroHage trailon of Incison for partial thickness plap 6> modified includion Hap 2 step's in asseam resective syngery. 4X Step 1. Vertical groority e. Radicular blanding 3. Hattentry interpreximal have anaduallaing manging bore 4.

MIDSR Page No. Claim / / Discus the chleahoolding is detail 다 chleaporidine is a mouth which present accurate 2 of plaque & calculy, maintate and systère. - chleatoridize is an anti-carlow agent - a 1. (lami) - twice a day rine a mouth. Antimicachial , Antiseptic, disinsectant - it top in moduley mouth where gun didente 4505: treadant of grainity realling at the grains. including ginginal blacking Reduced medical of the gung 6) classify intratory detects and discuss in detal) classification of introbony detects bett apicul location at the boue of pochet concorring the myjdual alrealar emerge Harlantal bare down 1> potra bow mentical bore loss 1-walled TING bon 3) ledge 2. swaller 4) marginal suffer Swalled 1 benettration & dehidsonie 4. Nonblud concher invalled detect - any one intradental wall remain A called demi deptum is accordining wallis demiseptum a walled detect - more prevalent bare detect board interdentially with backalt tingual wall remaining invibit awalled detect. eccur most brequest in interdental maria usually remating bay wall startal illingual & proximal circumscribed descet

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MIDSR

Page No.

Date: 1 1

3) Non-specific plaque hapathally All place is equally pathegents - no qualitate dishe as place exter - enly contain plague causes intections - Diagnalid ad anaemable interth is mounted - "states that poriodontal disease redults barrow the posious products released by antipe 5417 plaque Horg - Entire plaque plage contribute it particularity duéaso 101 smaking and periodontium ettell of anding on periodontal turing \rightarrow - wingital rajculative allegical inblamation & bleed its - oxygon lension is girginal and - Peniadonitis - 200 - induence the title reponse to invitation - activate the release of epinephritic - pournates contracted at periptical versely reducing blood blow to the gligting - Low as vitality to the surgeral epitteline

LAG. ANULY DOLAN acude Necrotiaing alcerative gingleitig is rapidly destructive non-commentable marobia ducate at the gragina in the content of an impaired hast impare response. - It is characterised by sudden and or intlamation, pains the Americano at " punched - out" creater like lein or papilley girgira etiology. -smaking, - malnutritia - poor and hygien - psychologic strew · reduced nest metation o clinical beature !-- sever guro pario - projugo garo bleeding that required little provocation



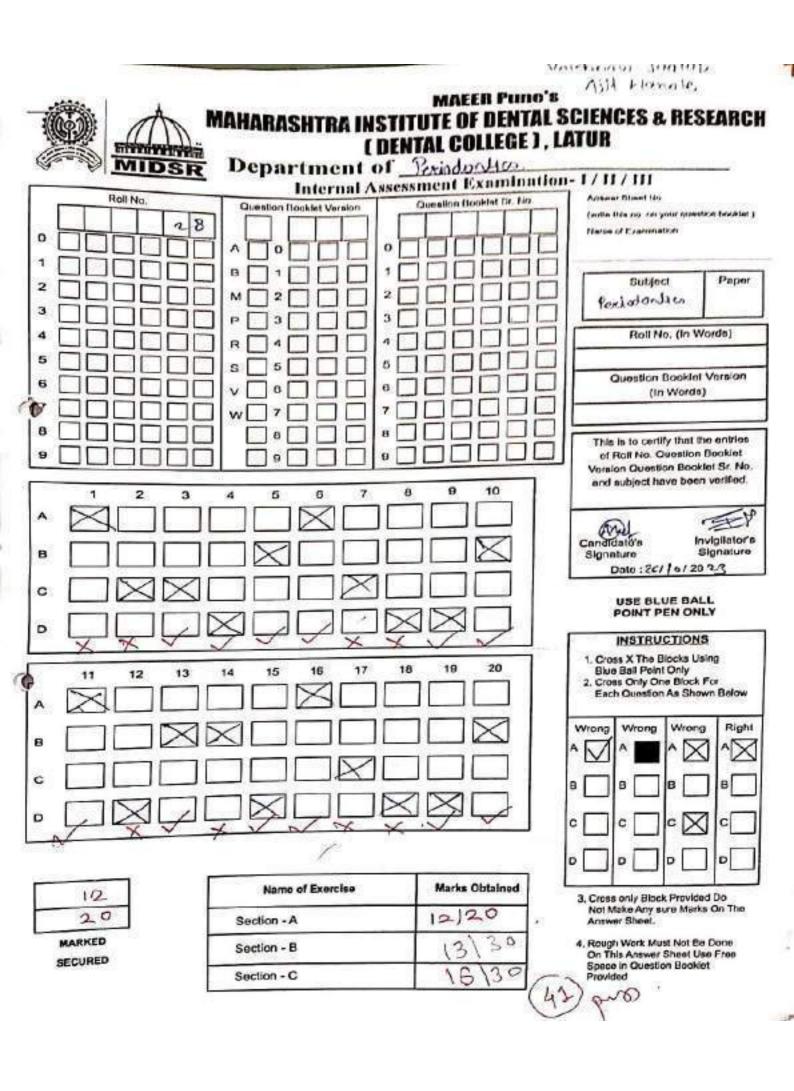
Page No.

- mendanced papilla are ulcerated with dead titlen " punched -out" creater - Foul podour, bad retallir taite. increased polivation and regional 1 ymphastenoputhy - pain 4 ulcertation + neorosis of the interdental papella streatment : 16 supra general plage contral - systemic antibiotros such as retaintdapale, 1st visit = - Reduc minobial load & memore realistic title - Ht at arcute leiter is pri-goal. - topical aneuttetic applied - 2-2 mind gently doubbad - cleaning with warm walk and right -- 2 days after the first visit - pt is evaluated

Date: A. F. Page No. Regenration- Reporde at last or insure Alusa that the architectur less to restored Repair mouling at maound to response to invary in an attempt's to response normal istor & junctiv realt achieved - regeneration at 9 sibras attachment 20 a juntace rew attachment - New compartum tomath with indently collogen fibre on previous dents need surplace of projected isganed Funcation inniverset alous I - Incipient bars law class II - cul de sac class III - through 4 through the post Their invivenent



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	MIDSR MIDSR Department of Jeriodo Aug
	Name of Student: Ajik Madhavras Manole
	Roll No. of Student:- 28 Betlement exam
	Name of the Examination :- Internal Assessment Examination
	Date: 26/10/23
	Time :
6	Sign. of Student Sign. of Invigilator
	SPECIAL INSTRUCTION TO CANDIDATES
	 For each answer write the corresponding question number in the margin. Use the paper judiciously. Do not waste the pages. Write on both sides of pages on the answer sheet. for short answer questions answers should be continued in sequence; do not leave blank spaces on the answer sheet. Supplements will not be provided to any candidates. Candidates are forbidden a) To bring books, notes, mobile phones, electronic gadgets or scribbling papers into the examination hall. b) Speak or communicate in any manner to other candidates while the examination is in progress. c) Take with them any answer sheet (written or blank) while leaving the exam hall. Candidate suspected to be guilty of any of the aforesaid acts will not be allowed for examination 9. Candidates should write exam in legible hand writing. If candidates use and anything they should approach the supervisor without disturbing other candidates. However, they should approach the examiner/ supervisor or who is guilty or rude or disobedient is liable for disciplinary action to be taken against him/ her by the Principal. Questions shall be solved serially or section wise i.e. answers should be written as per serial of questions.
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Ś	Define Hap classiby Incessions used in periodondal.
	? Step in osseon surgery respective surgery.
	Discuss chlorohouding in details
6	Elassity intrabony defects & discuss in defail.
7	Methods of GIF Collection
3	Courses of pathologic booth migration

WIDSR Page No. ceme 4.41 10) Smolding 4 periodo lino 49 write about clinical feel ANUG in dutall 1D treatment. ettopath ogenesis 1 Read tachment Define Regeneration Repair, classify freation Hew attachment invaluentreatment plan for purcotton invalvement LAG 0 ANUG Acule necrolizing alcerative gingivitis Clinical feature 5 :-Commonly seen in fromate ulcer priced on the Burning sensation gingina 00 Bleeding on probing Posifire 1 EHelogy Smoking 144 obbacco chidin 44

Page No. Date: / / MIDSR Classify Furcelion involvement Greade est- Treatment planning 1) <u>Scaling 4 root planning</u>. 25 Artibiotics are given is) Topical anosthetic applied 7 Second visit 62 2 days after first visit for resolution of sign 4 symptom Leston enthemators without sopport Superjacid psude membran O Third VISIT - 5 days after second visit = Hydrogen perexidi . rime discontinu - Chlorhencidin monthwood for 2-3 month - Supportive Horapy In fluid intake is soft publicants diet

MIDSR 6) LAD 0 99 Regeneration :-New attachment :- The union of connective time epithelial falith the most sugare that he been deprived of the original attachment ha Pepato in Healing of wound by firm the fully restore the does not if architecture or function of a paret. i- The reunion of epitheliam Connective HISW of the root Reatlachment Surface Classify furcation involvement a) Glickmen classification). Incipiant 4 early stage of burgh Grade 1 involvement sac 4 hos Grade 2 -> The fueration 1 a definitive horizontal Bomponia Grade 3- The bone is not attached to the bon of the forcation

100 2112 Cnun 9:09:00 s Attoched Date: / 1 Page No. Interdental bone is dystroid f So Grade IV > be: receded optically so tissue has ecation "opening Treatment a) - Facilitate maintenence b) Prevent puelles 1033 bone Lypt as in Oblisho lan Hen rea problem peri are amenable to conservative C.J periodontal tretement hagen maintais -Gral - Scaling ? .moat plannin adontoplast - Grade IT -> . Oft: Osteoplast 4 astro tom 175 reatment. is us dial Survical Mon surgery orland dodantic restoration of Section 2. 1.5.00 2 .

Page No. Date MIDSR SAQ Collection Methods of GCF SAS Intra cceviculae Extra mericular Preverghed twisted threads 25 47 MI cropi pettes ex capillang 32 Gringinal washing method Causes of pathologice tooth migration SAS 8 Two major fractur play a role in maladain the normal position of the fully D Healts 2) Normal height of the period and all attachment Factors that an important in relation to the fores q acclusion include the following 1) Tooth marphologic frature and inclination is The presence of a fault complement of teeth 3) Anial inclination of the toeth 3) proximal, incisal 4 occlusal attrition

MIDSR

Date: Page No. 1 SF ENAP It is excusional new allachment procedure - nue attachment a procedure to form I4 15 It II a Subginginal current prespormed with Knife Indication 12 Shallow pocked pocket HISSUL Supraban; inflammed 37. Edemater Esthell is are Advandage Visuel 2 atton root Improve ochones epittel gingina Keeplinized gizging - No fast of

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Page No. Date: MIDSR Chlozoheridin is 2nd generation chemical plaque Coshal agent that Cause harmful microoxperison T moblen perior plage omation entry with 40102 · Mechanism motein to salivary CH. epithelial cell desquama Block 2 . 1.10

MIDSR DENTAL COLLEGE LATUR DEPT. OF PERIODONTICS

Final BDS – Betterment Examination – Summer Exam. 2023

Section A (MCQs)

Duration: 3 Hours

Date: 23/04/2024

(1X 10=10 marks)

Total Marks: 60 Marks

Datt	Duration	1. 5 110	ours i otar iviariks. Ou iviariks
1.	 HIV Periodontitis is a) Diagnostic of HIV infection b) Characterised by remissions & exacerbation. c) Characterized by necrosis & periodontal destruction. d) Periodontitis is not seen in HIV infection 	6.	 Furcation is measured by a) Naber's probe b) Fluoride probe c) Millers probe d) CPITN probe
2.	 Which of the following hematological disease is associated with periodontal disease. a. AIDS b. Hypophosphatesia c. Wegeners Granulomatosis d. Histocytosis 	7.	 When scaling and root planning, the primary objective of the procedure is to a) Cause shrinkage of gingival tissue b) Create glass like root surface c) Remove all cementum d) Restore the gingival tissue to health
3	 The tissue response to oral hygiene instruction is best assessed by a. Probing the base of pocket b. Changes in plaque scores c. Reduce Tendency to bleed on probing the gingival margin. d. Reduced tooth mobility. 	8.	 Chlorxhexidine gluconate us used as mouthwash in concentration of a) 0.2% b) 20% c) 2 % d) None of the above
4.	 Gingivitis appears on radiograph as a) Loss of alveolar bone b) Pocket formation c) Change in bone trabeculations d) No observed changes. 	9.	 Portion of tooth brush that assists in removal of plaque is a) Tip of brush b) Tip of bristle c) Sides of Bristle d) Whole brush.
5.	 Radiograph are of a great value in dignosing periodontal disease because they reveal a) Hard to soft tissue relationship b) Morphology of bone deformities c) Presence of pocket d) Widening of the Lamina Dura 	10.	 Water irrigating devices is most useful in a) Removing plaque b) Preventing plaque formation c) Diluting bacterial products d) Reducing periodontal pockets

- 1. Note on mechanism of chlorhexidine.
- 2. Treatment of aggressive periodontitis
- 3. Periodontal diseases in HIV-Positive Individual.
- 4. Effect of smoking on periodontal tissue
- 5. CBCT
- 6. Principles of instrumentation.
- 7. Clinical significance of malodor
- 8. Treatment of periodontal abscess.
- 9. Local drug delivery
- 10. Wasting diseases of teeth.

SECTION C (LAQs)

(2X 10=20 marks)

- 1. Define prognosis, determination of prognosis, factors to consider when considering when determining prognosis.
- 2. Two way relationship between diabetes and periodontal disease.

MIDSR DENTAL COLLEGE, LATUR Department of Periodontics

Betterment Examinationm

FINAL Year Winter - 2023

Date: 26/10/2023

Section A (MCQs)

- 1. Horizontal bone loss is seen in
- A. Localised aggressive periodontitis
- B. Generalised aggressive periodontitis
- C. Chronic periodontitis
- D. ANUG

2. Birbecks granules are present in

- A. Langerhans cells
- B. Keartinocytes
- C. Merkel cells
- D. Melanocytes

3. Accurate probing force is

- A. 0.25N
- B. 0.5N
- C. 0.75N
- D. 1N
- 4. Gingival recession may be caused by:
- A. Faulty toothbrushing technique
- B. Tooth malposition
- C. High frenum attachment
- D. All of the above

5. Gracey curette no 11-12 are used for:

- A. Anterior teeth
- B. Posterior teeth mesial
- C. Posterior teeth distal
- D. Posterior teeth facial and lingual
- 6. Physiological tooth mobility is greatest in:

- A. Morning
- B. Afternoon
- C. Evening
- D. At night

7. Inflamed gingival in leukemic patients is :

- A. Spongy
- B. Fibrotic
- C. Firm
- D. Fibro-oedematous

8. Drug induced gingival enlargement starts in:

- A. interdental papilla
- B. attached gingiva
- C. marginal gingiva
- D. any of the above
- 9. Which of the following drug is not used locally in treating periodontal disease:
 - A. Tetracycline
 - B. Doxycycline
 - C. Chlorhexidine
 - D. Amoxicillin

10. Horizontal strokes are selectively used on:

- A. CEJ
- B. Line angles
- C. Abraded areas
- D. Eroded areas

(20x 1 = 20 Marks)

Total Marks: 80 Marks

11. The interdental aid to be used when the embrasure is filled with interdental papilla

- A. Dental floss
- B. Wooden tip
- C. Plastic tip
- D. None of the above

12. Periotriever is used for

- A. Periostel elevation
- B. Removal of broken tips of curettes
- C. Measuring crevicular fluid
- D. Local drug delivery

13. While using modified pen grasp, the index finger is bend at

- A. First joint
- B. Second joint
- C. Both of the above
- D. None of the above

14. Tetracycline is frequently used in

- A. Refractory periodontitis
- B. Localized aggressive periodontitis
- C. Both of the above
- D. None of the above

15. Root planing is:

A. Removal of material alba and stains from root surface.

B. Removal of soft tissue wall of the periodontal pocket.

C. Removal of calculus & plaque from root surface.

D. Removal of diseased cementum along with other root deposits.

16. Localized aggressive periodontitis is best treated in early stage by:

A. Tetracycline 250mg 4 times daily for fourteen days.

- B. Tetracycline 250mg once daily for 7 days.
- C. Tetracycline 250mg twice daily for 7 days.
- D. Tetracycline 250mg 4 times daily for 3 days.

17. Ideal angulation for insertion of a curette into subgingival arch is :

- A. 0^0 .
- B. 45[°].
- C. 60° .
- D. 90° .

18. Regional lymph node enlargement is present in:

- A. Acute pericoronitis.
- B. Lichen planus.
- C. Pemphigoid.
- D. Pemphigus vulgaris

19. Cervical enamel projections are frequently found on buccal surfaces of

- A. Maxillary first molars
- B. Maxillary second molars
- C. Mandibular first molars
- D. Mandibular second molars

20. Average human biologic width is:

- A. 3mm.
- B. 2mm.
- C. 4mm.
- D. 1mm.

Section B (SAQ)

- 1. Methods of GCF Collection.
- 2. Gingival Fibers.
- 3. Steps in resective osseous surgery.
- 4. Define & classify trauma from occlusion.
- 5. LASERs
- 6. Define & Classify Periodontal Pocket.
- 7. Treatment of ANUG.
- 8. Halitosis.
- 9. Chemical plaque control.
- 10. Enumerate Pattern of Bone destruction.

Section C (LAQ)

(15X2=30 Marks)

- 1. Define and classify Dental plaque. Add a note on plaque formation. Discuss nonspecific plaque hypothesis.
- 2. Define new attachment, repair, regeneration reattachment. Discuss in Detail Graft associated regenerative surgery.

Date:- 08/03/2024

DEPARTMENT OF ORTHODONTICS & DENTOFACIAL ORTHOPEDICS

NOTICE

Dept of Orthodontics Conducting a Theory & Practical Betterment exam the IV Year BDS Summer batch 2024.

The students who have missed their Prelim Internals examination (Theory) can appear for Betterment exam.

Sr. No	Date	Time	Betterment examination
1	12/03/2024	9:00 Am - 01:00 Pm	Theory Exam

DEPT. OF Orthodontics

MIDSR Dental College, Latur.

MIDSR DENTAL COLLEGE, LATUR DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS IV BDS (Summer) – 12/03/2024

Betterment Prelim internal assessment THEORY Mark sheet

ROLL	NAME OF COURSES	Section-A	Section-B 30	Section-C 30	Total 80	Remark
NO	NAME OF STUDENT	20				
1	Rajput Ashtosh	20	22	25	67	
2	Kale Pratik	18	20	25	63	
3	Ajit Wanole	18	21	24	63	

HOD Department of Orthodontics

DEPARTMENT OF ORTHODONTICS & DENTOFACIAL ORTHOPEDICS

Betterment Examination theory paper- IV BDS Summer 2024

Date: 12/03/2024

Instructions

- All questions are compulsory
- Draw diagrams wherever necessary.
- Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

SECTION A-

Functional Matrix theory was given by

- d) Moss
- b) Brodie
- c) Moyers
- d) kingsley
- 2. Mesiodens causes
 - A. Midline Diastema
 - b. Crowding
 - c. Rotation of teeth
 - d. Supraversion
- 3. Which of the following causes Slow
 - Expansion
 - a. Coffins Spring
 - b. Quad Helix
 - c. Jack Screw
 - All of the above
- AQngfles Contribution to Orthodontics is
 - a. Edgewise appliance
 - b. Pin and Tube appliance
 - c. Both a and b
 - d. Saggital appliance
- 5. Whichof the following is not
- component of fixed appliance
 - a. Echain
 - b. Lockpins

- d. Emodoule
- 6. Term Orthodontics was coined by

c. Adam's Clasp

- a. Angle
- b. Felon
- c. Deway
- d. Jackson
- 7. Angulation of catalan's Appliance is
 - a 45°
 - b. 55°
 - c. 90°
 - d. 75°
- 8. Cybernatics was given by
 - a. Alexander Pefrovic
 - b. Sicher
 - c. Enlow
 - d. Fararar
- 9. Functional segment of DNA is
 - a. Gene
 - b. Genome
 - c. Heridity
 - d. Variance
- 10. Torsiversion is
 - a. Supraversion
 - b. Infraversion
 - e. Rotation
 - C. Rotation
 - d. Mesioversion

Total Marks: 80

10*2=20

SECTION B

1. Define Orthodontics, and jackson's triad

2. Define growth and development and methods of studying growth

3. Development of palate .

4. Space maintainers

5. Theories of growth .

6. Angle's classification

7. Theorem's of retention

8. Management of class II Malocclusion

9. Headgears

10. Define, classify Habits, explain thumbsucking habit

SECTION C

15*2=30

1. Prenatal and postnatal of mandible.

2. Define Classify myofunctional appliance, write in detain about Activator.

3*10=30

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	MIDSR	• Department	DENTAL COLLEGE), I of	SCIENCES & RESEARCH
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			90000000	This is to certify that the entries of Roll No. Question Booklet Version Question Booklet Sr. No. and subject have been verified.
				Candidate's Invigilator's Signature Signature Date: 24 5 / 2029
				USE BLUE BALL POINT PEN ONLY
11	12 13	14 15 16 17	18 19 20	INSTRUCTIONS 1. Cross X The Blocks Using Blue Ball Point Only 2. Cross Only One Block For Each Question As Shown Below
				Wrong Wrong Wrong Right
10	7		and the second second second second	
-67	80	Name of Exercise Section - A	Marks Obtained	 Cross only Block Provided Do Not Make Any sure Marks On The Answer Sheet.
MARKE		Section - B	2.2	4. Rough Work Must Not Be Done
SECUR	ED	Section - C	22 30	On This Answer Sheet Use Free Space in Question Booklet Provided

Name of Student :-	RAJPUT ASHUTOS	H SANJAY.	
Roll No. of Studen	t :		
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		CTION - B	
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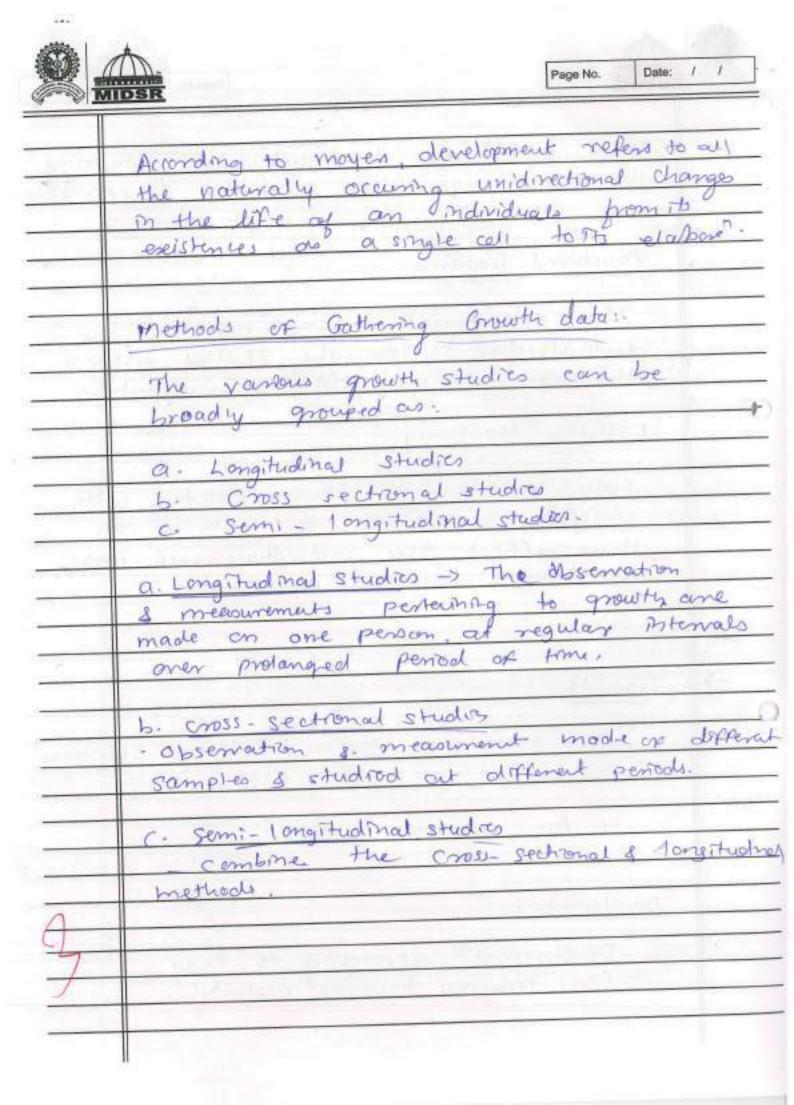
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Page No. Date: / / MIDSR Development of palate 13 the palate is formed by contribution of > a. maxillary process b. palated shelves given off by moscillay proces c. Friente naval process. - The Fronto-nasal process gives rise to the pre-maxillony region white the palatul shelps mest on the parlate. parlated shelps form the grow medialing their union is prevented by the presence of the tongue. A- Alteration m biochemiral & physical consistency of the connective tissue of the palatal Shelnes. B. Alteration m vasculative & blood supply to the palatal shelper. Appearance of an infinite shelf C forere do Rapid differentical mitotre activity mucular movements 2. withdrawl of the embyonse face from A against the heart prominence neord to in of the tronger from between the palicy shelves from a vertical to a horizontal DIDTHON

1 1 Date: Page No. MIDSR Space maintainers Q.A premative loss of deciduous texts can cause drifting of the adjacent texts into the space It can result in abramal oxial melanta of treth spacing between teeting shift in the dented midling, premative loss of deciduous ontenes leads to very little anhodoratic changes. space mainteiner is a device used to mantern the space created by the loss of of a deciduous tooth. A space mountainer should fulfil following the requirements. 1. It should manterin the entire mester-digital space created by a lost tooth. 2. It must restine the function as faras possible & prevent oner-comptron of opporting they 3. It should be . simple in construction 4. It should be strong enough to withstend the functional fercies. stress on 5. It should not everent enclessing adjong teth. permit maintenne of eval hygene 6. It must



	It must not restrict normal growth &
	development & natural adjustmed. That takes
	place dung the transition.
	8. The space maintainer should not come withe
	way of other fonction.
	A Interaction of the Astronomy States of the Astronomy
2.	-73
-	I contract a second fraction and a second
7	() Genetic theory
	- this throng simply states that all growth
	a controlled by genetic influence & is prepland
	by genetic influence & is pre-palned.
	2 Sutral theory.
	- pained parallel subres that attack facial
	areas to the stull & the cranial base typen
	put the naso-mossiliary complex period to rece
	its growth with that of the mandible.
	Little Contraction of the second s
	3 Cantilagenous theory "
_	- 12 - U cabella la barrent
_	subjusic growth controlling factors are present
_	n carrilage & pendstein with sutres bergan
-	secondary.
	(3) The functional matrix concept.
-	The functional manne contract
	the functional matrix hypothems clam that
	the origin, form, position, growth maintaine
	the origin, form, position, growth, mainteina of all skilletal tissues & organi ane



always secondary, compensatory. Van Limberghis theory. B) Fre factors compolls gnowth Intrinsic genetic factor, Local epigenetic factor, General epigenetic factor Local environment factor General environment factor Enlows expanding v principle 6) thlaws conterpose prhaple. 6) Neutrophic process in ovo-facal growth 8 ____7? 6 Edward Angle introduced of system of classifying mal occlusion in 1899. Angles class I 1 Angles class II class II division 2. dass IT Subdivision. T class III malocelision The day III Pseude class III Classely subdrister



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	Angles dossi -> The mesta build cusp of the
	the buccal groene of mandetbular first permanel. motar.
	Angles class II -> The disto-bured cuop of the upper joist permanent molar occludes in the bureal groone of the lever for pormail indas.
	Class II diverent : produed upper marion with a persutent marcore in aversit. a deep marior another.
	classif divitions. Ingually incliment upper central mesons.
.7	The crem's of retention
->	Theorem 1: Teeth that have been moved tend to areturn to their former position.
	Theorem 2 -> Etimination of the course of malocelingon will prevent relayer.
	Theorem 3 > malocclusion should be oner- corrected as a safety factor
	Theorems a proper occlussion is a potent factor in holding teeth in their corrected position.
	Theorems - Bone & adjacent Hissues must



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	S20
er als	theorem 6 : If the lover masons one placed upright over basal home they
	alignment.
1	Theorem 7 : corrections cannoted out ding periods of growth one less litely by
	Themand the farther the teeth have
942 	of nelapse.
	Theorem 9 - Arch form, particularly on the mandibular arch cannot be permanuty altered by appliance therapy
7	Themem 10 - Thany treated malocelinen require permanel retaining device
Q-8	-7?
27	There are three basic approaches to the treatment of class II, division 1 malorclusion.
	() Consuth modification, (2) Camouflage.
	& Surgical correction.
	of the second of
Charles .	

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Growth modification:	
correction of mandibula	r deficiency.
-use of myofunctional	appliances such as active
or functional requ	later . Herbst appliance
Tesper Jumper.	Sharle settine Survey and
Correction of maxilla	
class II malocetusim	exhibiting maxillary progra
can be intercepted	by the use of face bo
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Camouflage	-entern teeths moving
- Extraction of s the rest of test	h into the space
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Surgical correction	A. Anthermore was
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	and the second s
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two prominent bulges on the ventral aspect of the embryo, those bulges are separated by the primitive and cavity or stomodam



Page No.

Date: 1 1

The floor of the Stomodeum Is formed by the bucco-phonyngred membrane which separates it form the foregut The phonygred arches are laid down on the lateral & ventral aspects of the coast -most part of the foregut that lives in clone exprosemation with the Stomodeum Initially there are size phanyngrad arches, but the fifth ane usually disappears as scon as it is formed leaving only five they are separated by four branchial groones The first arch is called the mandibulor and is the second arch hyorid arch. the other arches do not have any specific names.
The phanygral arches are laid down on the lateral & ventral aspects of the corabil -most part of the foregut that lies in clone approximation with the stomodern Initially there are size phanyngral arches, but the fifth are usually disappears as soon as it is formed leaving only kine they are separated by four branchial gromes The first arch is called the mandibulor and by the second arch, hyord arch. the other
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The first anch is called the mandibular and & the second arch hyoid arch. the other
I the second arch hyoid arch. the other
Chows die hat have any spickle hand
1. A control contilage rod that form the
skeleton of the arch.
2. A musclular component termed as
branchiomene.
2 A vascular component
4. A neural element
to coloria a tala
theokels contilage.
The mechtes cartilage is desired from
Alst gette day of intrautisme life.
It extends from the cardilagious ofic
capsure to the midline or symphysis a
provides a template for guiding the



Page No. Date:

1 1

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1	The mental ossider
	> Incus & mallew
	> spine of sphenoid bone
A	> Anterior ligament of malleus
T	> spheno-mandibila ligament.
E	ndochondral bone formation.
1.4	endochandral bone formation
	The condylar process
	and a state of the
2.	The coronald process
3.	the mental region.
com	dylaw process - at about 5th week or
	ra- utenne life, an area or mesendym
	idensation can be seen above the vent
12	art of the developing mandibly.
	٥
Con	onoid process. At the 10-14 week of
	strantime life, the secondary cartilage a
	provid process TS believed to grow a
	response to the developing temporals
	nuscle
	ented region - In the mended region on e
Si	de. of the symphysis, one or two small
0.0	urtilages appear & assily in the 7th
	consthe of utenne life to ferm avant
V	umbers of mented assider.



Date:

	post nated growth of mandible
	of the facial bones, the mandible undergoes the largest amount of growth post-nataly 2 also exhibits the largest variability
	in morphology, while the mandible appels
	developmenetitaly & functionally divisible into several skelety sub-units the bould bone or the body of the mandible formione
	unit. to which is attached the alrealog process.
	Ramus The ramus mores progressively postenier by a combination of deposition
	g resorption.
	is to accomposate the increasing mass of masticeday muscles inserted into it.
i A MA	2> To accomposate the enlarged breath of the phanyngeal space.
Nar 120 Nar 120	3> TO facilitate the lengthening of the mandibular body which in this accemedates the esupting motor-
	A second to the control of the second to the

IDSR	1. Part 1				Page No	. Da	ite: / /	
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Page No. Date: / MIDSR 27 2-2 Functional appliance or myo-functional appliances as they are referred to are appliances that depend upon the oro-faid musculatre for their action. functional appliances are used for growth modification proceeding that one aimed a intercepting & treating jaw discrepance moreane or decreare mjawspe An $(\widehat{})$ A change in spectical relationship of juno 2 change in direction of growth of the jaw (3) accelemention of desireble growth. (4) classification. borne active appliance. Tooth 3 borne passive appliance. tooth passive appliance TISSUE home appliances myotomic ID myodynamic appliances Removable functional appliance 117 firerd functional appliance appliance 10 Group T applicne Group II Group III appliance

Page No. Date: 1 1 MIDSR Activator Kingsley m 1879 devised a vulcanite pedades place to be used in patients having remained mandible this vulcente plate. Indications It is primarily used in actively growing Individuals with Favarrable openite patter the movellon, & mandibular tests shall be well aligned. the mandituder incorors should be upright over the basal bore. Advantages of activator therapy (). It uses exerting growth of jaws 2) Puring preatment the patrent experience monomal and higgene the intervals between appointmets one BI Jane O the appointmust are usually short due to need for minimal adjustments (S) Due to the above reasons they one more economica

Page No. Date: / / Disadvantages of activator therapy 1. Requires very good patient co-operation 2. The activities cannot produce a precise detailing & finishing of the acclusion Thus port-treatment fixed applicness therapy maybe needed. for detailing of the occlusion 2. It may produce inoderate mandable notation. This activates one not used The cases of excressive lower face heret made of action of activator a. prevention of Further forward growth of the moveillong dents-alveolor PADLESS. b. movement of the moveillong dento-alredo process distally c. recipical forward force on the mandible

MIDSR Page No. Date: 1 1 construction bite The abritation of activator Drypressions : @ study models @ working models. Bite registration O A horseshoe shaped wax block is prepared for insertion between the upper & lower teeth 2) The patient mandible is quided to sagettal position. & partiant asked to place madrice sagittal position.

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			USE BLUE BALL POINT PEN ONLY
			INSTRUCTIONS
	and the second second		1. Cross X The Blocks Using
11 12 13	14 15 16 17	18 19 20	Blue Ball Point Only 2. Cross Only One Block For
			Each Question As Shown Below
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63,	Name of Exercise	Marks Obtained	3. Cross only Block Provided Do
-go	Section - A	18	Not Make Any sure Marks On The Answer Sheet.
MARKED	Section - B		4. Rough Work Must Not Be Done
SECURED	Section - D	20	On This Answer Sheet Use Free Space in Question Booklet
	Section - C	25	Provided

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vame of the Examin	ation :- Internal Assessment Examination
	SECTION - B
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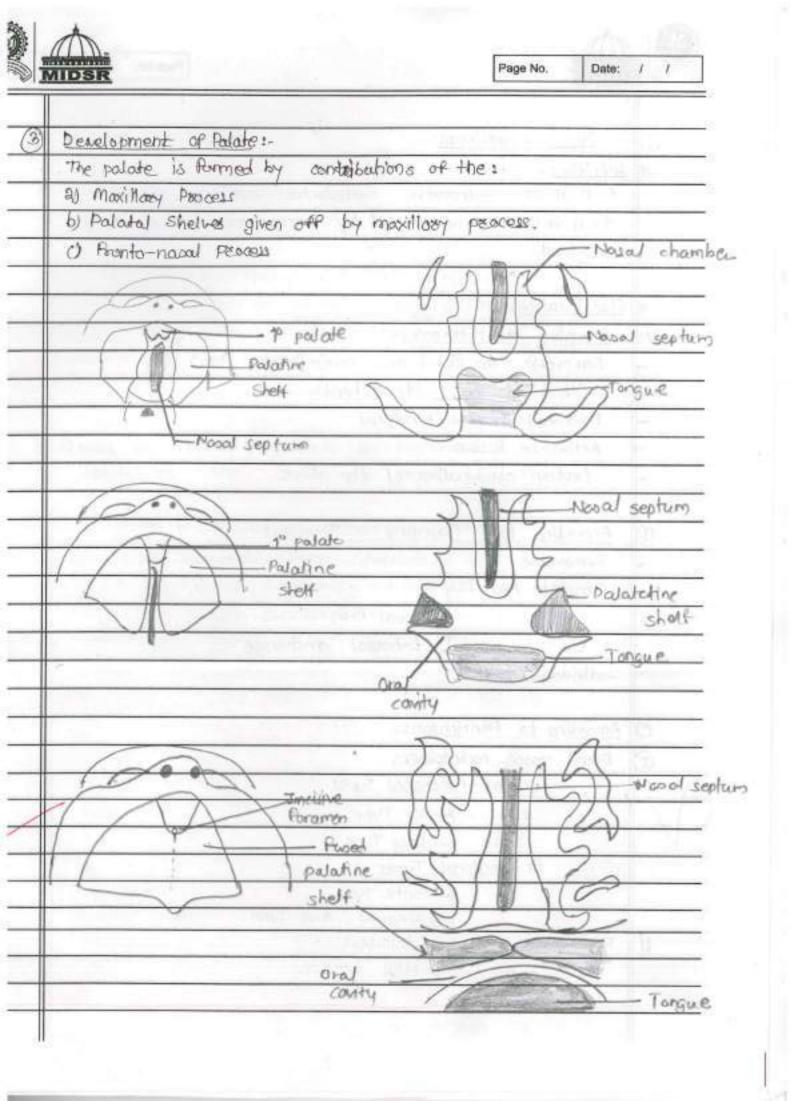
QI.	
at.	Osthodonttice
÷	Orthodontics is that branch of chemistry concerned with
	prevention, interception and correction of modocclusion
	and other abharmalities of the dento-facial
	eegion.
ø	Jacophy Made
-	Juassony Triad represents the three main objectives
	of orthodentic treatment
-	they are as follows
(A)	Punchional_Efficiency:- It should be aimed at '
	improving the functioning of oscificial appliances.
CB)	Structural Balances-
-	The crofacial neglon consists of 1(i)dentual velar system,
	(ii) staletal system
	(iti) soft tissue including musculature.
8	
(c)	Esthetic Harmony 2-
	The methodoptic treatment should aim at improving
	the earthenic of individual arthodonnic care to
2	improve the appearance of teeth and Pace
0	Aunchional Efficiency
-17	
	Jodesons
	Triad
7	structural Bathohic
	Balance Harmony



Gen II & basetat month	24	_
Growth & bevelopments.	11	_
Growth:-	-	_
According to Huxley, "The self multiplication of living substance."	-	_
According to Meredith, "Entire series of sequential	-	_
anatomic and physiologic changes from the beginning	-	_
of prenator life to senidity!	-	_
of prenara arre to semarcy:		_
Development :	2.4	_
According to Todd, Development is progression	100	_
towards matureity.	-	_
According to Moyexs, Development selfers to all	0.00	_
naturally occurring unidirectional changes in the life an		_
individual from its existence as single cell to its	0	_
elabozention as a multipunctional unit terminating	_	_
in death.	-	_
(it elector),	-	_
Methods of studying growth 1-	-	_
According to Profitt there are too types of main	-	_
approaches to studying physical growth.		_
Measurement Approaches:-		_
Comprise of measurement technique that are caseled	-	_
out on living individuals.		
These methodo des not harm		_
There were as the num		-
Experimentation Approacheous	_	_
These are dostructive techniques when animal being	-	-
studied is somificed.	-	_
these are obviously not careled out on humans.	-	_
		_



1	
3	Craniometry)- It is study of shape and form of human head or skull.
-	this practice consists of taking precise measurements
-	This prochee convisis or intring preside in and
	using land maters on stall.
11	Refers to measurement of human individual.
-	Refers to measurement of animan manadow.
-	Involves systemic measurement of physical properties
	of the human body, live body size and shape.
町	Biometric toots
11	Wtal staining
V	Radioisotopes
vP	Implants
11>	Radiographic Techniques:-
	Includes_
	*Sephalometry :-
	Radiograph of craniofacial region is studied.
	· Hard-White X Roys3-
	Radiographe of hands-whisk region used to study
	bio logical tot skeletal age matters.
13	Natural Marrezs:
	Developmental features of bone can be used to study
	growth by means of sectal radiographs.
X	
-	
	Barriel Barrison Distant Contractory Sectorization and the
	Discount of the second s
	and the second sec
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Date: /

6)	space Maintainens:-
đ	befinitions-
	A fixed or eemorable overhadontic appliance places
	to maintain space created by premature class of tooth
-	or teeth.
-	
4	Classification-
A)	According to Hitchcock:-
	Removable or Pixed or semi-fixed
-	with bands or without bonds
	Punctional as non-Runctional
-	Aetire de Passive
	Certain combination of the above.
-	
B	According to Roymond c. Thuman :-
0	Removable
-	Complete Arch -7
-	-Lingual Arch
	_ Extraoral anchorage
	- Individual tooth
	2031934400 10017
	g According to Henrichson:
	t della and
0	Pixed space maintainers 12 Non-Rinchanal Types
	Bar Type
1/	L Loop Type
Va	27 Functional Types
	-Pontic Type
	Lingual Arch Type
1	ft Removable space mountained
-	- Accyllic pastial denture
_	

	Page No. Date: / /	
6	Theodies of Growth:-	
6	Depending on the onea above where growth	
2	Depending on the area above where growth centres occurs	
	")Genetic Theory (Brodie)	
	#) sutural dominance theory (Sidner)	_
-	III) Runctional martix theory III) Contillagenous theory	_
-	IL) Coentagenous mileory	_
	The second	-
B)	Based on other concepts on hypotheses -	
	Related to the craniafacial growth	_
-	· I) Van Limborgho comptomise theory	_
	T) (ybernetic theory (Petrovic)	_
	III) Hunter & Enlowls equivalent	-
	growth concept theory	
12		_
	housed of manally floored while which when the	
1	in the integration when within the integration is a second of the	_
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	and a start of the local start of the start	-
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	and -
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6	Anglels (lassification:-
긔	Arglele Class-I:-
-	characteristic - The mediobuccol cusp of
	the maxillary first permanent malar occludes
	in the buccal groove of mondibular first motor.
II	Angles Class-H:-
1	the distobuccal cusp of moxillary first
	permanent motor occludes in the buccal goode
	of the mandibular permant first molon.
-	Class-II malocclusion further classified into 2 divisions:
de	(class-II; Division)-I:-
	It is characterised by proclined upper inclusions
	with resultant increase in overlet.
¢k	Class-II, Division-II:-
-	It is characterised by slingually inclined upper central
-	incluous a rabially tipped upper rateral incison
	overlapping the central inclision
1	
四	Angleis class -III :-
-	The mesiobuccal cuop of morkillary first permanent
	molas occludes in the interdental space between
	the mondibular first p second molan,
-	

	A.		de.	
	MIDSR	Page No.	Date:	T E
E	Theories of Rehention 1-	1.011	100	D4
a)	Theorem -1:-	and black	111	
1	Teeth that have been moved tend to ze	turn to H	nejr	
	former position.			
6)	Theorem-21-	- Localese		
-	Elimination of the cause of malocelu	ion will		-
-	prevent melopse.	524 STAT		
C)	Theorem-31-	- Al-march	-	11
-	Malacclusion should be overromedted as	a safet	4	1
	Pade.	45. par 1	1.0	
d	Theorem - 41		-	_
-	Proper occlusion is a potent factor in	holding		
	teeth in their corrected position.	Q.		
e)				
+	Bone & adjacent tissue must be allowed			
	to searganize around nearly paritioned	teeth.	_	
PY	Theorem - 61-		-	
-	If the lower incisors are placed up	eight over		
	basal bone, they are more ulikely to a	emain		
1	In good alignmente.			
5				
8)	Theorem-7:-			
-	connections caseled out during period	of grow	th	
	the less likely to relapse.			
		_	_	
			_	



6)	Theorem - 81-	
	The Purther teeth have been moved, the Jessen	
	is the visce of reelapse,	
1)	Theorem - 31-	
	and from particularly in the mandibular dreen	
-	cannot be permanently altered by appliance	_
	thedapy.	
3)	Theorem-10:-	1
3)	Many treated malocclusions require permanent	
	metaining devices.	
	realing concer	
		1
	the second se	
-		
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5 de -		
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	Transfer for the second s	11
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-	the second	-
	and the second se	
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-		1
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Page No. I

3	Head - George - Contraction -
-	It-is the orthodontic or osthoporedic appliance
	which deliver force intraorally or to the chin
	from a cranial extraoral suppose.
ef.	
*	
-	Occipital Headgean
-	High pull headgean
-	Combination Headgean
	and the second sec
	and the second
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	the second s
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	grower danner beiler auf Bearing als ander
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- 2	a real person and an an array of the second se
	and the second
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	the bedrack and the second second second second second second
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Habits Habbits can be defined on a fixed or	2
constants practice established by Reduents repetition.	•
Ale wild's - Fans	
Classify Clarking-	-
	-
	3
Compulsive & Non-compulsive habit	-
Kingdoule classification	
	ī.,
_ Museulas habits	0
Thumb Suching -	
place of thumb on one or more tingers at rawing	
depth into the mouth, is called Thumb-suching.	_
Effects of thumb Suckings-	2//
Befeats on Maxilla: _ V shaped namaco palate, past, crossbirte	_
Effect on Maxilloon teeth - spacing in moxillary anteriors	_
Palatal	0
Effect on interation delationship: - Decreased overbite	_
- Effect on Upper Lips- short hypotonic, in-competant upper lip.	_
Effect on Lowes Lipi- Hyperactive lower ilp with	_
incompetante, increased mentally activity	_
- Bffeet on Tongue :- Lower positioned tongue,	
Effect on Mandibular teeth 1->	_
Retroclination of mandibulars anteriors.	
11	
	- Functional habits Museular habits - Combined muscular habits - Place of Humb or one or more fingers at valying depth into the mouth, is called "thumb-surving. - Effects of thumb Suckings- - Biffects on Maxilla.s - V shaped namous palate, past, crossbite - Effect on Maxilla.s - V shaped namous palate, past, crossbite - Effect on Maxilla.s - V shaped namous palate, past, crossbite - Effect on Maxilla.s - V shaped namous palate, past, crossbite - Effect on Maxilla.s - V shaped namous palate, past, crossbite - Effect on Maxilla.s - V shaped namous palate, past, crossbite - Effect on Maxilla.s - V shaped namous palate, past, crossbite - Effect on Maxilla.s - V shaped namous palate, past, crossbite - Effect on Maxilla.s - V shaped namous palate, past, crossbite - Effect on Maxilla.s - V shaped namous palate, past, crossbite - Effect on Maxilla.s - V shaped namous palate, past, crossbite - Effect on Interated Selationships - Decreased overbite - Effect on Upper Lips - Shaet hypotonic, in -competant upper Jip - Effect on Lower Lips - Hyperactive Lower Sip with - Incompetant, increased mentalls activity - Biffect on Tongues - Lower "pasitioned tongue,

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LAQ. Q.I.	Dependent and D. L.
	in the man and of the dible.
A	
	About the 4th week of intra-utenine life, the
	developing the body and pericardium from two
	prominent buildges on the central aspect of embryo.
-	The bulldges are seperated by primitive and
	cavity or stomodeum.
	Initially there are six phoryngeal arches but fifth
	one whally disappeared as soon as forming beauting
	only five,
-	First-arch is called mandibular and
-	Second arch is hyold arch.
-	Restof the arches don't have names.
(8)	Meenelly Cartilagez
-	It is derived from the first branchial arch toround
	41-45th day of intractedine slife.
74	It provides a template for guiding the growth
	of the mandible.
-	A major position of the Medbells cashilage
	disappears -
-	The ossifying membrane is located to lateral
	to the Measure callinge and its accompanying
	neuromascular bundle.
	As assification continues Mechalls carchitage
	becomes surrounded finvaded by bone

Page No. Date: / / MIDS > Medells Cathlog e > Inferior alvedor nene Initiation of assistation around Mexel's Cashloge Agure:- Merchells Cartilage Badetracheal Rone Pormation:-* Indetracheal bone formation is seen only In 3 areas of the mandible. They are as Pollows: 12 The condylar process of the coronold process The Mental Region 2>

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	THE REAL PROPERTY.
a. M	MIDSR

	MIDSR Page No. Date: /
1	Butto atal a contra to to
	Buttatal Growth of Mandibles-
a	Body of Mandible,
	early of triangible, L
_	It unlergoes anteriopesterion growth,
_	the length of the literation ground,
	the length of the body of the mandible
	increases because of recomption of antonion border of ramus of mandible.
-	Body of the bar little
	Body of the knowlike shows transverse
	expansion of the 141 principle.
b	Ramu of Mandible
-	
	Resorption of bone occurs at antenions border
	of deposition of home at posterior border,
	shifting of ramus of mandible occurs posteniorly
	pic becomes apeigne
1	Transverse deposition of bone occurs on mexical
	surface freeorption over lateral surface.
0	Coronold Process
-	Growth buttern al
	Growth pattern of anterior bosdee of Zamus
-	
	Growth pattern of anterior border of zamus dictates the growth of earonid process.
-	Transverse deposition of the bone occuss in the
	medial suchace while the recomption occurs
	over the lateral surface
	and and and and

- 44

-		Base Ma	Deter	
N	MIDSR	Page No.	Date: /	1
		1		
1	and the second sec		- X	-
0	Kondylar Process			
-	andyle of mandible govers superiorly	as wel	1	-
T	as postoblocky.			
T	in a second s		1.0	_
-	this growth occurs when there is forwa	rd chai	Ge	
	in pasition of mandibular by capsule of	? the		
1	matsix.	0.10.10	10.00	
			14	
1	symphysis of Mardiblec-		1.2	
		-	14	
	symphyseal growth occurs because of x			
	in alveolon bone just above the chin	point	at	
	anterior bozdoz el mandible,			
1		1.2.1	m	
	a.r.		日本日	
	+	1.0	ATTA	
1		1	行开	
	$\leftarrow +$ $(=)$ $(++=)$	2	F=++10	
	+ 5-22+++ (2+++7=70)=++@	
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4	+ +++	++400	and	
+	STA E .	1++33	17	
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+	V - ++ ++			
+	Bone remodelling in mandible		19	
+	wone remotenting in mundline	1000	Contra Di	_
+				-
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Page No. Date:

Q.C.	Page No. Date: /	-
*		_
-	Mycfunctional appliances are the orthodontic	_
	appliances that depend on the motherial musculature	_
	for their action.	
-	The force component of Myofunctional appliances	_
	are derived from oroladias mucculature.	_
	and the initiation of the	_
d *	<u>Classification</u> of Myofunctional Appliancess	
H	Based on the fixability :-	_
a	Removable Punctional Applianasor -	_
	These wan be zemaned or inserted by patient	
	at will.	-
	e.g. Activator	_
		_
6	Fixed functional appliances -	_
-	Fixed on teeth by orthodontist and cannot be	
	semand by patient.	_
	e.g Herbist Appliance	
		_
0	Semi-fixed Runchional Appliances	_
	They have exercise components that are	
	fixed.	5
	e.g. Bood appliance.	
	g yester	_
		_
E	Myotonic and Myodynamic appliances:-	-
aj n	Nyotonic Appliances -	-
	These depend on muscle mass for action.	-
-		-
-		
-		1
		-

do-	
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12

b	Myody hamic Appliances
-	they are dependent on muscle activity
	Pos their function.
馬	Classification by Paulitty
00	Tooth Boone passive appliances-
-	These have no intrinsic force generating components
	like springs of sonews.
-	Depend on muscular stretch procescular activity
	Tooth boone active appliance:
-	Modifications of activator & bionator;
-	, Has force generating components
0	Tissue Barne, Appliances.
+	They are placed in vestibule
-	Have no contact with dentition or 21446 contact.
E	Based on the frammission of force:
8)	Group-I Appliances:-
+	These transmitt muscle force directly to toeth
6)	Group-II Appliances:-
	These reposition mandibles and resultant force is
+	transmitted to teeth & other structures
co	Group-III Appliances:-
-	These also separition mandible but they operate
	in vostibule, outside dental arch.
-	

All I	Page No. Date: /	1
en n		_
	A. f. 1	_
×	Activator	
-	Activative is an anthodomtic appliance that	_
-	has ability to activate muscle forces.	_
-	Devised by Andersen and Haupt.	-
	Also called Notweigh appliances because they	_
-	were in Norway while dweloping this appliance.	-
+	wate in norosopy conie ownercoping the oppinduce.	_
40	Indications -	-
910	class-II, division 1 malacetusion	-
-	class-II, division 2 .	-
-	Clay -III malocelusion	-
_	Class-I open bite	
-	Class - I deep bite	_
	As a preliminazy toeatment before major	-
-	fixed appliance therapy to improve skeletal	
+	jow relations.	_
	Por part treatment retention	_
-	children with lare of vestical developments	-
	in lower facial height.	
-		
e¥.	Contraindications2-	-
-	The appliance is not used for cossection of	
-	class-I problems of crowded teeth caused by	
	disharmony between tooth size & jaw size.	
-	the appliance is contraindicated in children with	
	excess lower facial height and extreme	
	vecticular mandibular growth.	
		_
		_

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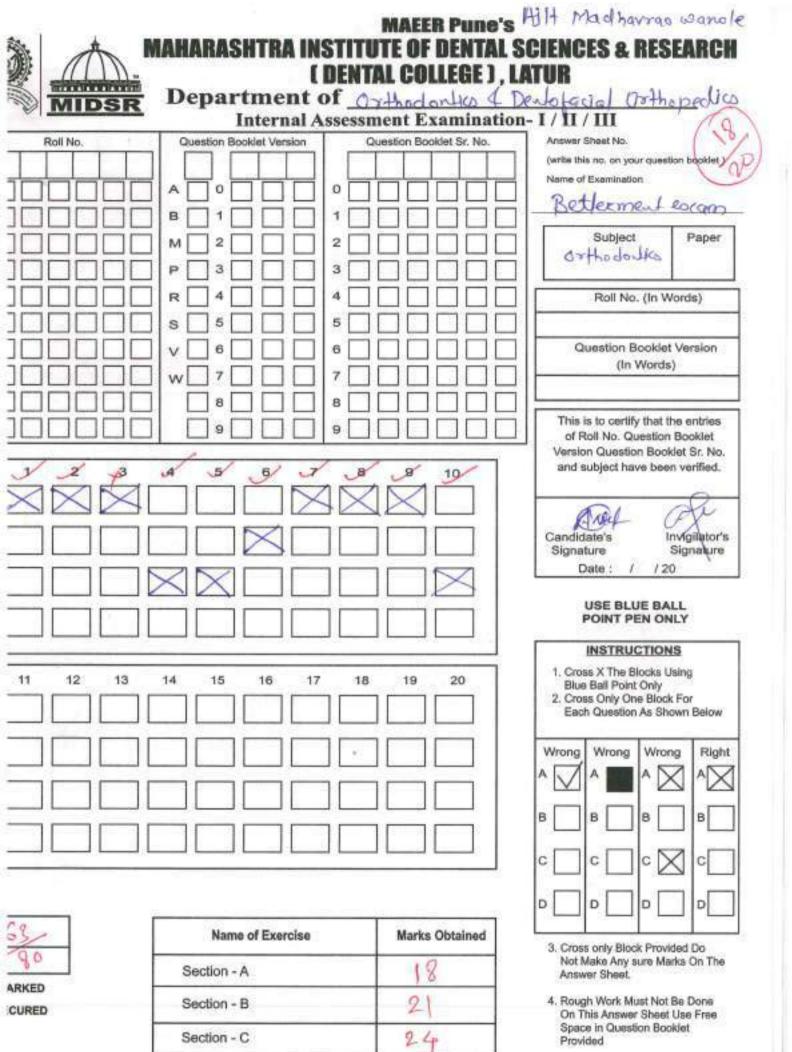
-	This not used in children whose lower
-	indians are severely procumbent.
-	This appliance cannot be - used in children with
	has al stonails canned by structural problems
	within the nose or chronic untreated allergy
-	The appliance has limited expelication in non-
1	growing individuals.
4	Mode of Action of Activators-
	This appliance loosely fits in mouth.
	Patient has to move mandible forwards to
-#	engage the appliance.
	This results in stretching of elevator muscles
	of mantication, which stats contracting thereby
╢	setting up a myotachic setter.
	This generates kinetic energy, which causes:
	a) Prevention of further growth of maxillary
#	dentoalveolar process distally.
╢	contrativestate porces obtaining.
	b) Movement of the matrillary dentoalwealar
1	process distally.
$\frac{1}{1}$	c) A reciprocal formard force on the
⋕	mandible.
#	
1	In addition to this, my stachic sefler, a condylar
#	adaptation by bacquered & upward growth occurs
-	Third Padoe is force generated while swallowing
	and during sleeping.
T	

an.
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Page No.

Date: 1 1

11	04.5
R.	Advantage2-
	Uses existing growth of jawap.
-	During treatment, patient experiences minimal
	oral hygiene peoblems.
-	The intervals between appointments are long.
-	Appointment will be short due to minimal
	adjustments.
-	Due to above reasons, they are more economical
-	Plsadvantageo:-
-	Requires good patient co-operation.
-	This cannot produce a precise detailing P
	finishing of occlusion.
-	May produce moderate mandibular rotation
đ	Modifications:-
	Row activator of A.M. shortz.
-	Wundereels modification.
2	Reduced activators as cybernator of schmuth
	The propulsor
	The second
	printing the second particular and a ball had the
	the start days in the second se



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N	me of Students	Department of	AL COLLEGE], LATUR Orthodontics 4 Dente	facial orthopedi
	ame of Student :-	fit madhav	row warde	
	2 X 22	ion :- Intornal	- Betterment ex Assessment Examina	
228	alus (esq	Alazar and a state	hald be near hearing that he	ation
Da	ite: / /		ECTION - B	
	me :	sec c	$=$ $\begin{pmatrix} 45\\ 60 \end{pmatrix}$ Sign. of In	Re ivigilator
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Page No. Date: SAG (1) Define : In 1922 The British Society of Orthodor tites proposed that Onthe has been olytines orthodontics includes the study of the groupth the divelopment of the Jaws & face particularly the body generally as informing the position of teeth the study of action & reaction of internal 4 the prevention ordernal influence on the development 4 correction of accepted & pervected development Jackson triad 1) Functional officiency 2) Structural balance 2) Structural Esthetic harmony Functional efficiency 11 teeth along with their surrounding spychere are required to perform certain + the significant such as mastication & phonation Structural balance : P The propacial region consist of the dentoalveolar system skeletal system and the soft tissue including musculature Esthetic harmony treatment should aim at imerovin the estille of the individual orthodontico a care the appearangly the teeth & face Cottali (hoxin 0 m * Aim of arthdonthis (Jackson's briad)

MIDSR Page No. Date: 1 1 > 2 * Defination & Grauth - Grouth was defined by many of the researchese which is as follows -It is defined as "self multiplication of living substance J-s Huster Development - It is explained as "Development can be Considered as a continum of causally related events from the fertilization of ovum onworkdo. Methodo of studing growth: 4) Measurement approaches B) Experimental approaches - craniametri Anthropenetry Bimetric tests - Vital staining Radioviotopeo Implants Radiographic techniques Natural markers Competative quetony

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Page No. Date: / MIDSR 1 Space mainteners Define :- A fixed on removable appliance placed to maintain space created by loss of a tooth or teth ansitication According to Hidchcock :-Removable or fixed or semilificed with band functional or non functional Active or passive Certain combinations of the above According to Raymond (. Thuraw B Removable @ Complete arch Ungual atch Extra oral anchorage are the course Individual tooth @ Acording to Hinrichson: Fixed spece maintainers class T Non-functional Bar type in) Loop types b) functional types D Pontic bype in lipgued atch type 2 Removable space maintainers acrylic partial denture

Page No. Date: / 1 . SAC Growth Lordes 4 the area where Grant Depending on A Grenettic theory Csicher Sutural dominance in mos Functional mad m Tames wat Cartilaginou Henry x Hypothessin ex concepts c (B) Based on manippacial related Van Limborghs compromise theory Gebernitic theory (petrovid) Aynter & Enlow's growth equivalent Concept

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Page No. Date: 1 1 MIDSR 8) Theorem 8 The faither the feeth have been moved the losset the risk of relapse 15 3) Theorem 3 Arch form, particularly in the mandebular in Cannot be permanently altered by appliable arch therapy 10) Thiozem 10 - Many tree malocelusion require ining devices 1.1

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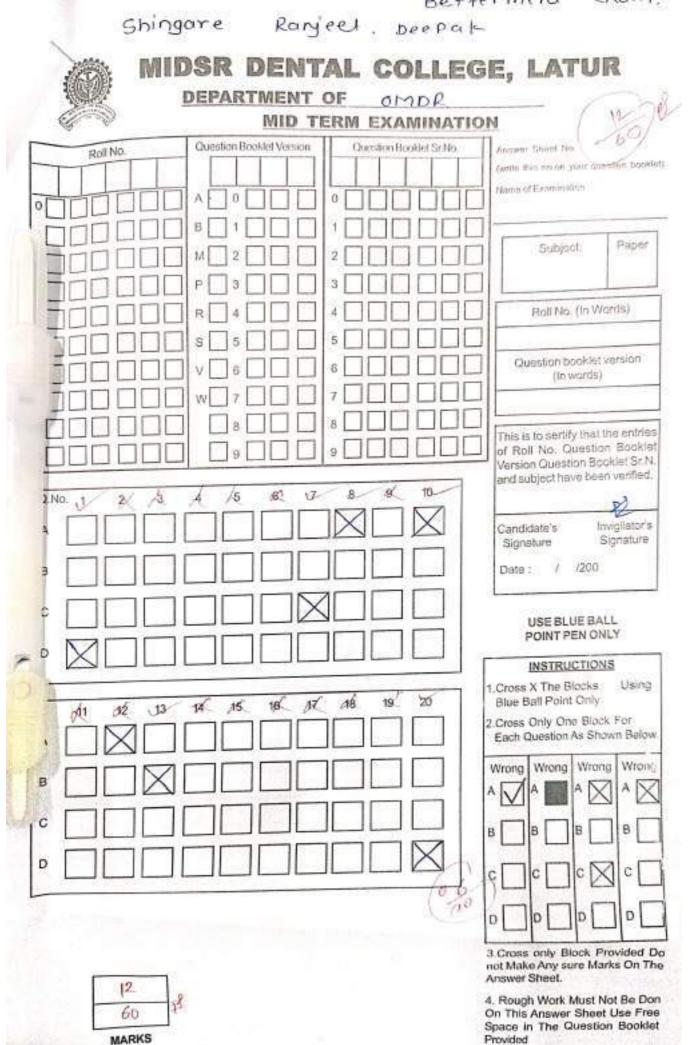
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DEPARTMENT OF PEDIATRIC & PREVENTIVE DENTISTRY

NOTICE

This is inform that Betterment exam IV BDS Winter - 2023 Batch for Pediatric & Preventive Dentistry have been scheduled on 02/10/2023 at, 2 pm for the following students. Attendance is Compulsory.

Sr. No	Name of The Student
1	Agrawal Chetna
2	Biradar Hrushikesh
3	Gaikwad Snehalata
4	Jagtap Vaishnavi
5	Mamde Deepali
6	Wanole Ajit

Dept. of Petilistic & SEPARTMENT OF REDODONTIC S MIDDS.R. Dental College, LATUR

MIDSR DENTAL COLLEGE, LATUR DEPARTMENT OF PEDODONTICS IV BDS Betterment Exam -2023

SECTION - A MCO

1. Marginal gingivae of children haveedge

- a. Knife
- b. Round
- c. Thin
- d. Flat
- 2. Most common cause of gingival inflammation in children is in a. Juvenile Periodontitis
 - b. Acuteherpetic Gingivostomatitis
 - c. Diphtheria
 - d. Leukemia

3. Drug dosage according to Forbes rule is calculated based on.

- a. Age of the child
- b. Body weight of the child
- c. Height of the child
- d. Body surface area of the child
- 4. The first materials used experimentally as sealants were based on. a. BIS-GMA resin
 - b. Cynoacrylates

 - c. Urethane dimethacrvlates

d. GIC

- 5. Pit and fissure sealants bind to the tooth surface by
 - a.Chemical bond
 - b. Mechanical retention
 - c. Adhesive bond
 - d. Chemical & mechanical bond
- i. T... principal source of fluoride ingestion is
 - a. Milk
 - b. Plants
 - c. Water
 - d. Animal food
- 7.Percentage of fluoride used in Knutson technique is
 - a. 2
 - b. 3
 - c. 4

- d. 5
- 8. Resin modified GIC is also called as
 - a. Cement
 - b. Incream
 - c. Dicor
 - d. Compomer
- 9. Stainless steel crown is introduced by
 - a. MacDonald
 - b. Humphrey
 - c. Stewart
 - d. Pinkham

10 All the following are used for cementation of the crown

EXCEPT

- a. Zinc phosphate
- b. Zinc polycarboxylate
- c. Glass Ionomer cement
- d. Resin

11. Restoration of choice in endodontically treated primary second molar is

- a. Stainless steel crown
- b. Cast gold crown
- c. Amalgam
- d. Zinc oxide eugenol

12. In primary tooth, shape of pulpal floor in cavity

preparation is

- a. Flat
- b. Triangular
- c. Saucer shaped
- d. Rectangular

Total: 60 Marks

 $(1 \ge 20 = 20)$

13. Cvek's technique is

- a. Partial Pulpotomy technique in non-vital permanent teeth
- b. Complete Pulpotomy technique in vital permanent teeth
- c. Partial Pulpotomy technique in vital permanent teeth
- d. Complete Pulpotomy technique in non-vital permanent teeth

14. The failure of CaOH Pulpotomy on a primary 1st molar is due to

- a. Internal resorption
- b. External resorption
- c. Pulp calcification
- d. d. Pulp fibrosis

15.In Ellis & Davis classification, class III is

- a. Only enamel is involved
- b. Enamel and dentin are involved
- c. Enamel, dentin and pulp are involved
- d. Tooth is non-vital

16... Parrot like repetitive speech is found in

- a. Autism
- b. Marfan syndrome
- c. Cerebral palsy
- d. Mental retardation

17. The treatment for a 3 year old child giving history of spontaneous pain at night,

& radiographically showing inter-radicular radiolucancy in 85 is

- a. Apexification
- b. Pulpotomy
- c. Partial Pulpectomy
- d. Extraction

18. Which rule is followed by majority of surgeons as a guide for cleft lip & palate repair?

- a. 5 b. 10
- c. 15
- d. 20

19. The term battered child syndrome was coined by

- a. Caffey
- b. Mary elan
- c. Kempe
- d. Needleman

20. A child aged 4 years has symptoms of malnutrition with dirty clothes. This is classified as

- a. Physical neglect
- b. Emotional neglect
- C. Emotional abuse
- d. Physical abus

SECTION - B

- Food pyramid
- 2. Describe Home & it's variations

SAO

LAO

- 3. Physical retrainers
- 4. Ugly dugly stage
- Distal shoe space maintainers
- 6. Describe dental plaque
- 7. Stainless Steel Crown
- 8. Management of tongue thrust habit
- 9. ART

1.

10. Classification of cleft lip & Palate

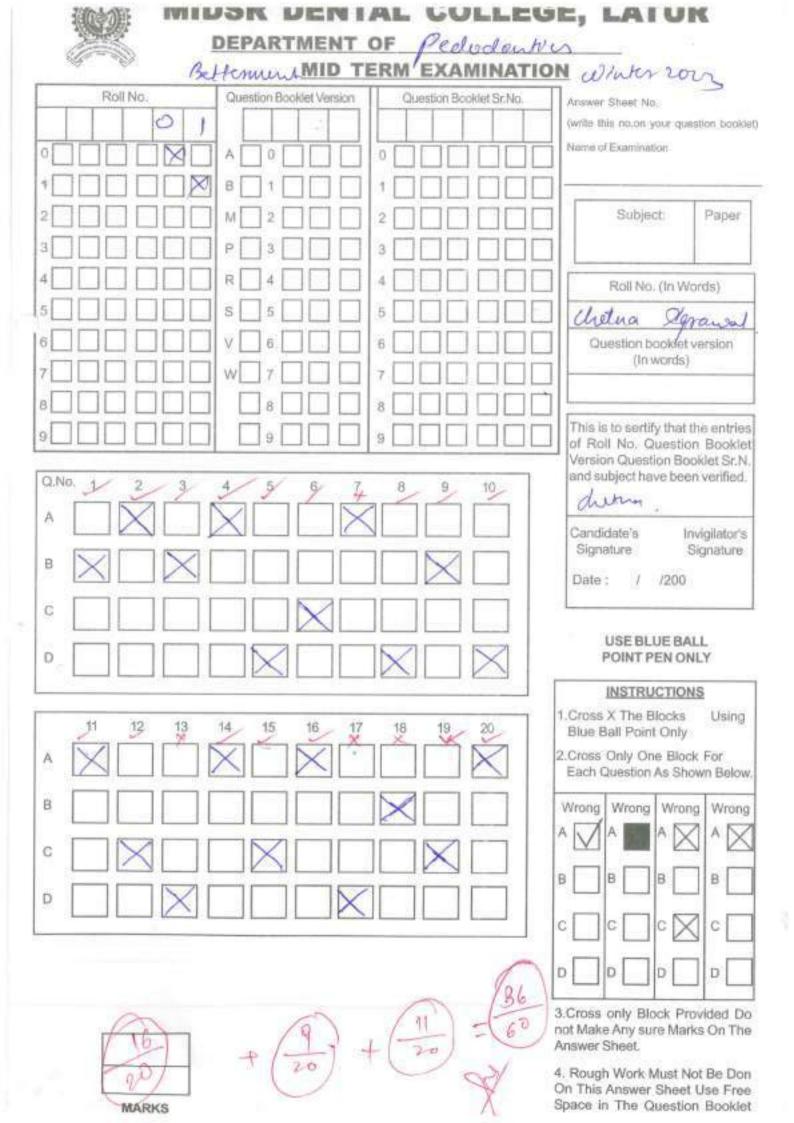
SECTION - C

1. What are the indications & Contraindications of pulpotomy, give procedure, advantages & disadvantage of formocresol pulpotomy & discuss newer pulpotomy agents.

2. Enumerate various topical fluorides give the advantages, disadvantages, application & mode of action.

(10x 02=20)

(10 x 2=20)



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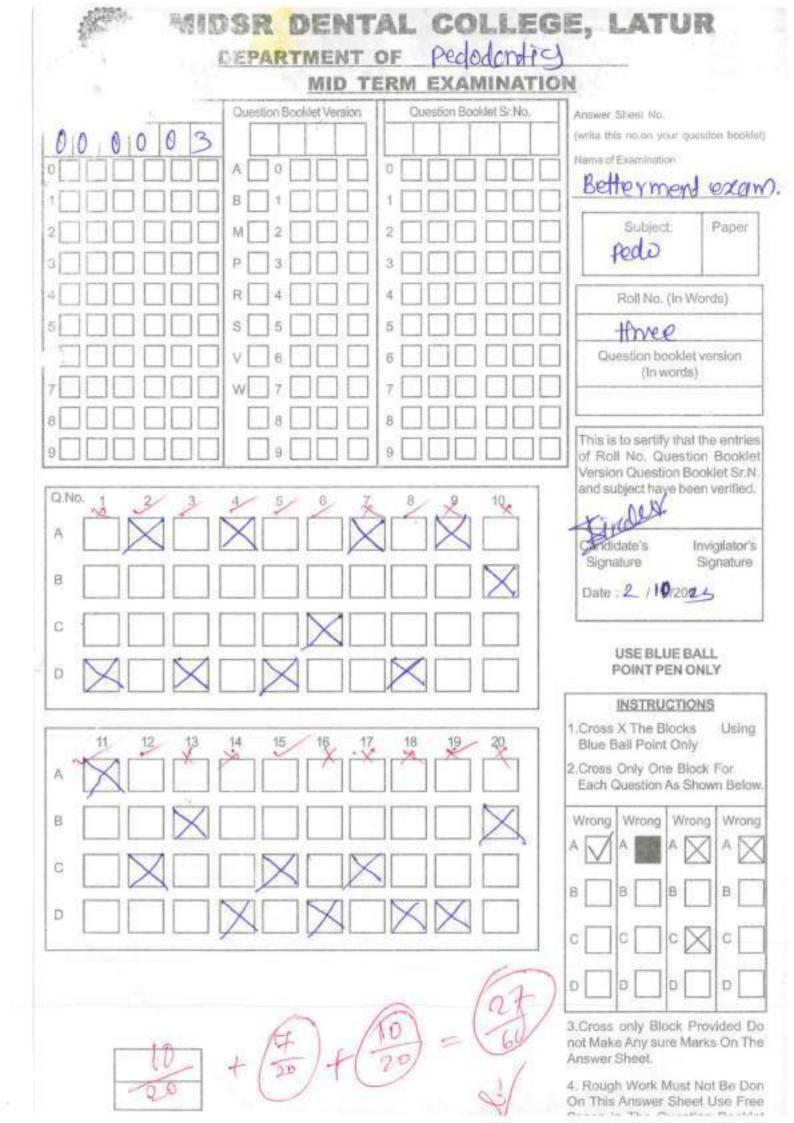
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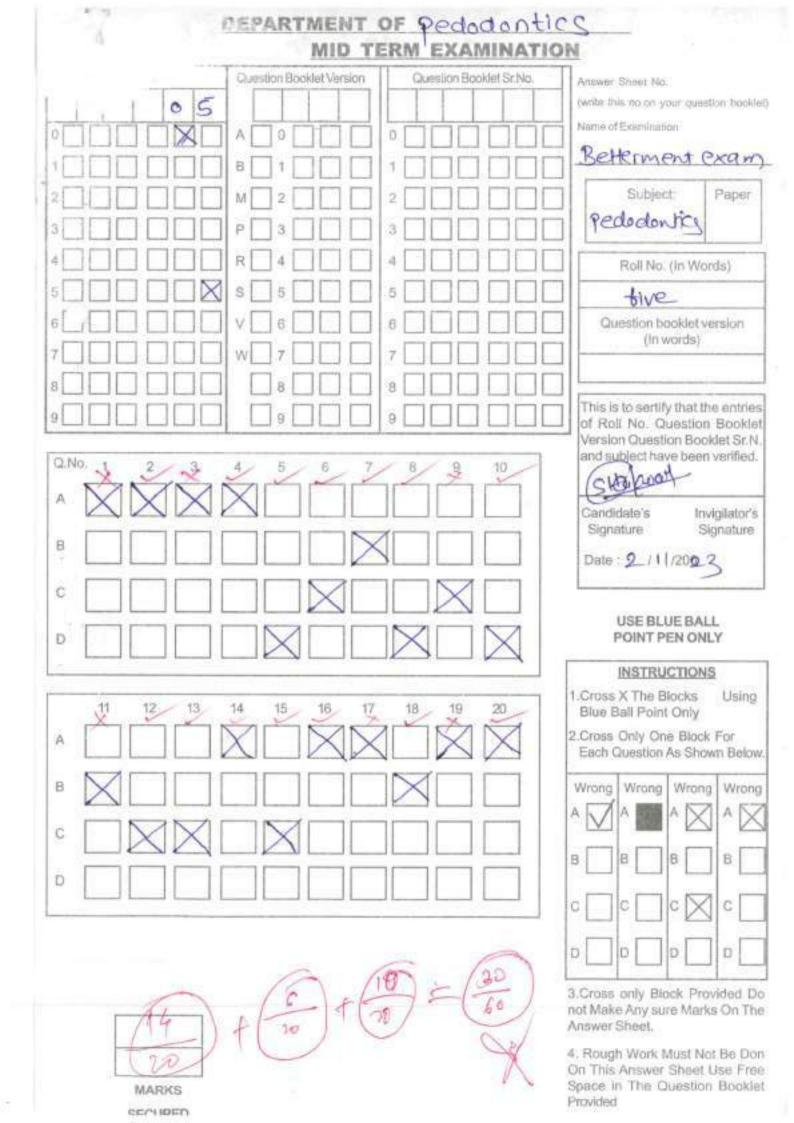
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MIDSR Page No. Date: 1 1 T 9 => food Pyramid Store energy 5%. Hot roit 25% fish. bed of stoury Mead, Diary Beans BOY. Droits + keep us hearing vegetebles 40% grains Gives us energy >

Page No. Date: MIDSR 02 8 Physical Eetwines There are three types of setainees - Hawley Retainers - Vaccom setainees - permanent Ectainees Resin bunded reterines - Roch ette Bridge. Manyland Bridge. - cast moter FPT - Vi Egonia bridge



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	ugly-duckling steege
	- It is transient selt correct malocchusion in the maxillary incise Eegion between 8-9 yzot
	age,
	-Enopting permanent comines displace the more of lateral incisors mesia resulting teansition of torce.
	- A ther complete enoption of Canines goop percess incisces automatically closed.
	- That's why it is called sent correcting maloccolusion

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1. I. I. I.

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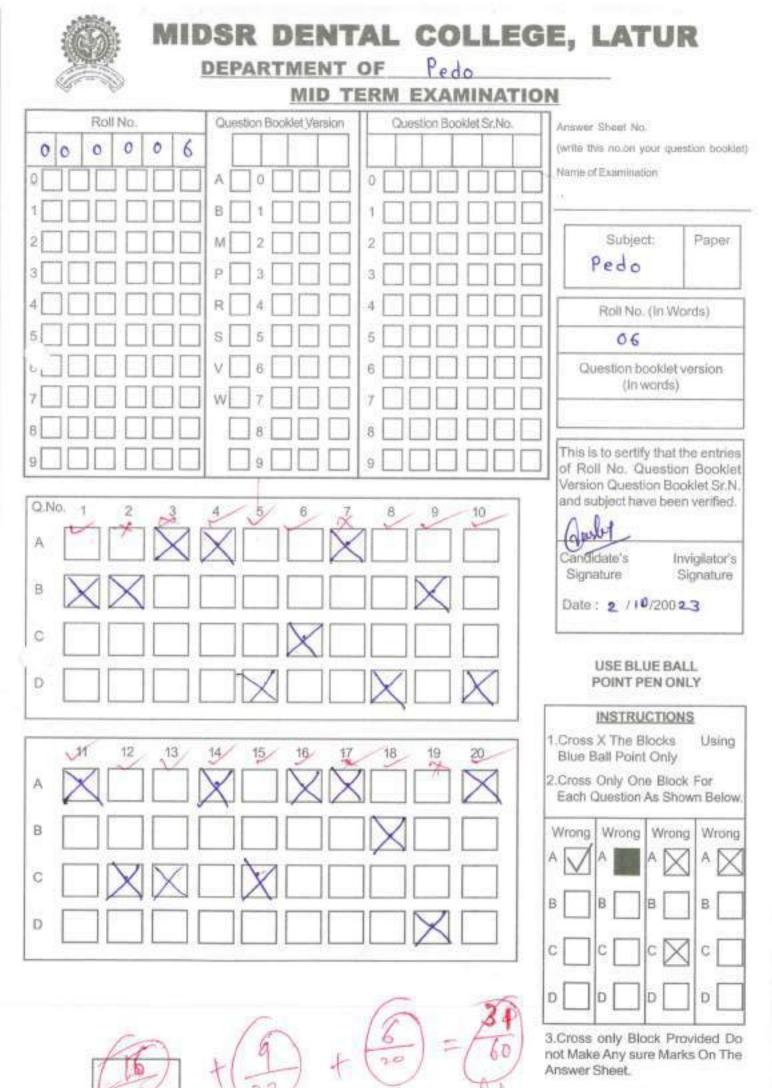
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	PURPOTOMY			
	* Indications			
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	* Contraindications.	5.04		
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Page No. Date: / / MIDSR Radiographic Sign at calcibic globus pulp chember. in cories penetrating the theor of pulp chamber. Tooth close to natural exteriation * procedure. Anesthetize the tooth and isolate with subber dam All carlous material is Eemoved with excavator are slow speed round DUE Coenal pulpis eemoved After amest of hemorrhage, Ca (OH), is applied to the exposed pulp, ensuring that there is no blood clot ROF OFGIC applied Then permanent restoration done.

Date: / / Page No. MIDSR Advantages * commonly available medicament. Stable at noom temperature. Shelt Libe . Long High clinical and radio graphic success * DISadvontages It is a very caustic medicamen. In high dose it is toxic. distribution throughout the body. and It has mutagenic and carcinogenre potential : . In the second become in the second second

の時 Page No. Date: 1 MIDSR 9. 2 Topical fluorides Selt apples Protessionals Neutral Sodium Eluside Dentitorces - Mouth washes - Stannous Huaride fluoride gel - varnish * Mechanism (mode) of action. NOF Hydroxy apatite crysters > addium fluoride ÷ J. Chocking off effects

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-	The gel preparation can b applied and thus the c gets sectors	e sel	t app)) Ca.
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	* Disadvantages	ise A - a		
-	peactical difficulties like be rept wet for 9 minut	the -	le eth s	shar
50.4	It is acidic, sour and	<u>bitte</u>	e in te	<u>78.5</u>
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Roll No. of Stud	
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9. 4. Ugly - Dugly Stage. 1. Around the age of 8-9 yrs, a midline diasterna is commonly seen in the upper arch, which is usually misinterpreter by parents as a malacclusion. 2. As the developing canines erupt, they displace the roots of the lateral incisors mesially. This results in the transmitting the 3 have on to the roots of central insisons which also displaced mesially. 1+15 typical features are : Floring the lateral incisors. 0 Maxillary midline diastema • Crowns of the conines on young jows impinge on developing lateral incisor roots, thus driving the roots medially and causing the crowns to place laterally. 3 The roots of the central incisors are also forced together, thus causing a maxillary midline diostema.

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5.	Distal shoe space maintainers -
	Introduction :-
	This appliance is called a distal shoe space maintainer or a distal extens space maintainer.
	It is used to prevent first permon molors from moving mesially with the premoture loss of second
	primory molars.
	Indications :-
	1) The distal shoe is indicated in co where the second primary - molar is lost prematurely.
	a) This appliance guides the first permot molar into place and prevents mesia dripting of the tooth.
	3) The distal shoe, has an extension going sublingually to a location mesial to the unerupted hirst perman
	molar.



3.

3.

4

Date:

Controindications :-Systemic diseases . Immunocompromised individuals wordprovide: Missing permanant molar due to multiple Inadequate abutment loss teeth. 01 Functions :-Him Handors m speech Improves of adjacent teeth Prevents movement. kunctions provide mosticatory esthetics Improves Maintain space . 5. ≤uraola

	Page No. Date: / /
1	
6.	Centrandientions :
	Dental plaque
	, sudosaib aimasapi 1
*	Defination :-
	"It is a specific but highly variable
	structural entity, resulting from sequention
20.0	colonization of microorganisms on tooth
	surfaces, restorations & other part of
	oral cavity composed of solivory compone like mucin, desquamated epithelial cells,
	like mucin, desquamated epithelial cells,
	debris & microorganisms, all embedded
	extracellular gelatinous matrix."
	- It is a host-associated biozilm.
*	classification.
*	Saffadha tarrand in
· A ·	Coronal plaque.
	, poga nizimin's 2
8.	Gingival plaque
C.	Sub-gingival plaque
C.	Sto gingriar pradat
D.	fissure plaque

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1	MIDSP
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	Control of plaque - main and and and and a
-	some of plaque removed by the saliva
_	by movement of cheek and tongue
1991	Regular brushing and prossing everyday
- 0	is necessary.
	boor egy contract desider an boor oursh
	- Regular propessional cleaning by
	dentist is best way.
	est pes
	Composition . month beaminfold of
	1) Microorganisms
	2) Inter-microbial matrix.
-	
Δ	Composition - anticon
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2		
7.	Stainless steel crown - months in inter	-
-	Stanness sreet crown	
	. These are metal crowns made of	
-	stainless steel, nickel and chrome.	
-		
	2. They are used to restore back teet	h
	i.e. molars that are decayed, broken	
	down and for which never formed	
	correctly in the first place.	_
	report to a stable b	_
		-
	Types	_
	1) Untrimmed crown	-
		_
	2) pretrimmed crown	_
	and a second second	-
	3) pre-contoured crown .	
	Composition -	-
	- chronium	-
	- Nickel	
	- 1700	
0	- minor element	
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	Atomic mouth as though the thought
0	realized to be build to the state between the
8.	Tonque thrust habit :-
	1. " Tongue thrusting is the motion of
-	1. Tonque this defining is the monon of
	pushing your tongue borword, agains the back of the teeth or between.
	the top and bottom teeth.
	A DEPART OF FORT A DEPART OF THE PARTY OF TH
	2. It is the persistence of an
	injoritle swallow pattern during late
	childhood.
_	3. This leads to
	-> breathing dissiculties -> speech dissiculties
	speech difficulties
	→ open bite
-	is probuided teeth.
	-> Hosal congestion
	> prequent save throats
-	s fonsils
	adénoids.
	-> large tongue.
_	clossification.
	Clear Pastietti
1.	Physiologic tongue thrust
2	junctional tongue thoust
8.	Habitual tonque thoust
4.	Anatomic tonque thoust.
	9

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	BITTE CONTRACTOR
Carelo Carelo	MIDSR

thrust habit. of tongue Monogement Correction by Myo-Junctional therapy. 1. therapy. Tonque 2. self - corrects thrusting often Tonque _ time by the 8-9 years of age by erupt. teeth permonent _______ al data par No21 Inc. 111150 647.4 +HSni14b

all	Page No. Date: / /
10.	
*	classification of cleft lip and cleft polote.
_	alach lie
	Cleft lip.
1 -	Class I
	Notching or vermillion border,
	not extending into the lip.
110	vision chipph writeling of sum?
2.	Class II. C
	cleft extending into the lips .
	but not including the floor of the nose.
3.	Closs III studie Leasterid Stateland
	Extending into the gloos of the nose.
-	J . sp Da test Outer
4.	Class IV :- Cleft of the lip, whether incomplete
	or complete.
~	
13	
(Y	



~	Cleft polote.
<u>.</u> 1.	Group 1 :- Cleft involving soft polote only.
Q.	Group 2 :- cleft of hard and soft polate extending upto incisive foramen.
<u>o</u> .	Group 3 :- Complete unilateral clepts involving soft palate, hard polate, lips & alveolor ridge.
4.	Group 4 -
20200 2 2 2 2 2 2 2 2	Complete Bilateral clepts appecting the soft palate , hard palate , lips & alveolar ridge,

the second se	Depart	tment of <u>Pedo</u>	GE), LATUR
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*	Pulpeterny 1-
-+	" It is the complete removal of the
+	carood portion of the pulp the
	collowed by placement of mediament
	and dressing that will premare
	reling of teath.
*	Indication :-
1 -	Coronaly exposed of the primary
	teeth.
2.	Inshere retention is more advantageous
2.	then expression.
9	Vital tooth with healthy periodentium.
	I am spontapeous after
4	removal of stimulus.
	Temovo of marine
5	laben tooth length is 2/3 rd.
6	Hemorrhoge

Page No. Date: 1 1 0 dentition stage of primary Mixed tooth space maintainer 055 interradicular bone loss Abscence internal resorption. Abscence Contraindication :-R 1. Evidence of internal root resorption Presence of interradicular bone 2. 095 Abscess fistula, in relation to teeth 3. Caries penetrating floor of pulp chamber +. Tooth close to natural expeliation. 5. History of prolonged pain. 6 . - Purulent drainage. 1 . Periopical rediclucency. 8. 3. Mobility Swelling 5. Radiolucency in periopical region.

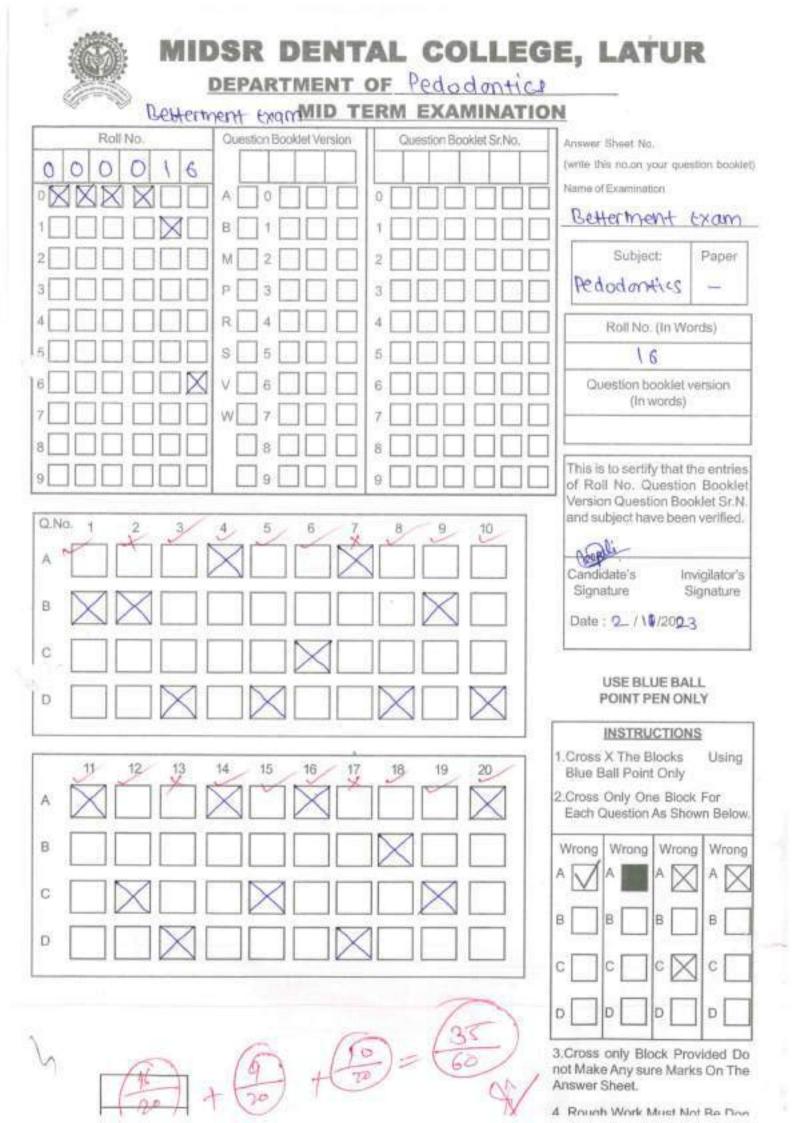
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	Procedure.				
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	Anesthesizes tooth and isolation with				
	rubber dam				
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	Access cavity preperation, removal of				
	cories				
	Entire pulp of root chamber is				
_	Entire pulp of root chamber is removed				
_	Jernoved				
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-	All coronal pulp is emputed with				
	spoon excavator				
5	alpha alua provent protectanas carros				
-	Pulp chamber is woshed with saline.				
	Pulp chamber is wasned with a				
	6 4 History of atalanged painter in the				
	V Northeast Contraction of the second				
	Hemorrhoge controlled.				
	A. Painpland militalumenter !				
	4				
-	Applied pormoceesol to the pulp.				
	Covity filled with zoe poste				
	Stainless steel crown packed.				

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3,	Tetracolcium alumina
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4.	Calcium sulphote debydrate.
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Questions shall be solved serially or section wise i.e. answers should be written as per serial of questions.	Candidates Candidates For each an judiciously.	should not draw additional margins as they are provided on each page. should not write anything in the margin, except question number. swer write the corresponding question number in the margin. Use the paper



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	SAOS	_
5)		_
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	Distal shoe space maintainer	
	introduced by willets in (1932)	
	- It is used to maintain the space of primary	
	second motor that had been lost before the	-
	eruption of the permanent first molar.	_
		-
	Indications -	
	- If the space shows stephing closing	
-/-	- IF the weat space maintainer will make the	
	future orthodontic less complicated.	
	- IF the need for treatment of maloccuston and	
	later date is not indicated.	
	later gave is not equation of appraint teets.	
	- TO avoid supra eruption of opposing teets. - when the spaces howed be maintained for two year	1
	or more-	-
		-
1127		_
		-



Page No. Date: / /

contraindications -- IF the radiograph shows one third of the not is already calcified - when thespace left is greater than the needed for permanent as indicated from radiographically. If the space shows no signs enloseing, when the succedences tooth is absent Commonly used space maintainers-Band floop 1) crownf Loop 2) Linsual arch holding device 2) Nances patatal hading device 41 51 sonz latera Remerable space maintainer. 6)

	Page No. Date: / /
15	••
->	staintess steel crown
	2 mars and same from and a second and a second second and the second second second second second second second
	A crown is a tooth shaped covering which is
	comented to the tooth surface structure & its main
-	function is to protect the tooth chrutture fretain the
	Function.
_	the second second in the second se
_	Contraction of the second states and shared and a state of the
	Classification-
-	- staintess steel crown
	- Nickel - Base crowns
-	- The base crown
-	- Alyminium base crown
	and some second
	Indications -
_	- If restoration is needed to last > 2413
_	- IF Restoration of carlow primary molars wher more
	than two surfaces are affected,
	- child < 6455 SS clown prefeable to restandin
	- tollowing pulpitomy procedures.
_	- extensive toot durface loss
	- high caries susphility
_	- abutment
-	- single tooth cross bite
)	
	Contraindicated -
	- Toon existibits excessive mobility - primary motor is close to experiation with more than
	hast the routs removed or explicited within 6-12 months.
	Mar The Cost Cost Course of the Children

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源	m.
	Transversion
100	MIDSR

Management of tongue thrust habit
Manazementof tongue thrust habit
Depty placement of tengue tip tosward between Incisors
during swallowing.
Management-
- Removable rubber splings can be worn at night to
immobilize the jaws.
- IF the underlying cause of the bruxism is an
emotional one the nervous factor must be corrected
if the disease is to be cured.
- Mnyl plastic bite guard that covers the occura
surfaces of all teeth.
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Rentworks in the second rentwork and the
and produced beauties of an and an and an and a strangers and



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10)	classification of cleft lipt palate	_
-7		
	CleFtlip -> It is a birth defect which reoutsing	
	unilateral or bilateral opening in the upper lip bein	
	the mouth & nose.	
	cleft palate -> Abbeach in continuity of palate! or	_
	"A FURTOW in the palatal vault."	_
	AC EQUIDED AT MIX LONG	
	Second contract for and the second of the second	1
	classification:-	
	Vegy classification:	_
	The second s	_
4	CLASS I - incomplete cleft midling the soft palate	_
		-
	class II - cleft involving the hard fort palate	
1	and the second stand the first state of a second state of the	-
	class III - complete & unilateral cleft involving the	
	top and palate.	-
		2
	CLASSTV - Complete bilateral cleft.	1
	*	-
		-
	Groups- Defects of the lip or almolus.	-
		-
AV-	aroupII - cleft of the 2' palate	-
STV.	Provenue including provenue	Ī
/	Group TT - any combination of clefts involving primary +	1
	decondary palotes.	

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4)	
-2	Holy dualy stage
	It is also called as a mixed dentition stage.
	The period which both primary frecondary teeth are in the mouth together is known as a
_	mixed derminion period.
	Successional treth - Those permanent teeth that follow
	into a place in the arch once held by primary tooth.
-	Accessional teeth - Those permanent teeth that erupt
	Posterioriy to the primary teeth.
_	Phasesof mixed dentition-
	1) first transitional period
	2) \$Inter transitional period
	3) BA second transitional period
	changes in occusion-
	1) Flush terminal plane
	2) mesial step
	2) Distal step
-	
11	

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(march)	MIDSR

6)	169
-7	Dental plaque
-	DEFN-) SOFT deposits that form the biofilm adhering
	to the touth surface or other hard surfaces in the
6.	and cavity, including removable, fixed + restantion
	Dental plaque -
	is a specific but nighly vanable structural
100	entity, resulting from sequential colon Dations t
	microsoganisment tooth surfaces, restorations tother
	parts of gral carity.
	composed of satirary components like mycin, desquamated epithetial cells, debris & microorganisms,
	desquamarca epithelial cells, debris & microarganisms,
	all embedded mextracellular gelatinuous matrix.
	Dental Calculuse -
	It is an adherant calcified or califying
2	mais that forms on the jurface of natural teeth.
	Labor and Sant Sant Sant Sant Start
	Material alba -
	is a deposit compresed of aggregate of
	micromanisme reacouses & dead exportated epithelias
1	cell, randomly organized & logiely adherant
Į.	to the surface of the teet plaque & singling.
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>	ART Atraumatic restreative	treatment	
	HINDOWNONC SESTORATIO	Subscription 10	
	ART is based on sem	owing decalcin	ed tooth
-	tissues using only hand in	struments 4 +	a).
+	the cavity with an adhesim	Curring made	ulorit
	- Aminimaly masive app	mach to both	prevent
	dental canous lesions fistop	its further pr	mizcorpo
-	It consists if two components	- Louis - Louise	13 M
	1) sealing of carious prone (pits ffissure	12 16
	2) restoration of canated d	entin lesional	with
	restreations.	had been in	04247 () () () () () () () () () (
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1) <u>Pulpotomy</u> -+ DeFD-> <u>Pulpotomy</u> is defined as a complete remaral of Coronal portion of the dental Pulp, tokowed by placement of suitable dressing or medicament that will promote heating f prevene vitality of the tooth. Indications- - vital tooth is with heating periodontium - cañowsy exposed primary teeth when the referition is more advantaseous than exhaution - Tooth with 21std root length. - Hemminoge from the computed for site is pale red f easy to central. - is mixed dentifien stage primary tooth is prefebable			
-+ DeFD-> PULPAtomy is defined as a complete nemoral of coronal portion of the dental PULP, takawed by placement of suitable doesning or medicament that will promote heating t prevene vitality of the tooth. Indications - - vital tooth is with heatthy penodontium - canously exposed primary teeth when the retention is more advantageous than extraction - themerinage from the amplication tite is pale red to easy to central. - is mixed dentifier stage primary tooth is prefebable		LACOS	
-+ DEFD-> PULPATOMY is defined as a complete removal of coronal portion of the dental PULP, toussed by placement of suitable dressing or medicament of suitable dressing or medicament of the touth prevene vitality of the touth. Indications - - vital tooth is with heatthy penodontium - conously exposed primary teeth when the retention is more advantaseous than exbaction - themesting from the computation tite is pale red \$ easy to centrol. - is mixed dentified stage primary tooth is prefebable			
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	p chamber	r is seal	ed f too	1 lictto	estaced u	ditto	
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Formocresol pulpotomy -	d allow 19		
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tavantages-			

stable at room temperature.

-Long shelf life

commonly a

High clinical and radiographic successif -

formacress Rupotomy.

Better handling 10

- Finduce pulp repair

- Replaces natural during with the same material

mechanical properties.

	MIDSR	Page No.	Date: / /
-	Disadvantages -		
_	- It's very caustic medicament	983 - 6 8 999 9	
	- "It is high doses it is taxic.	11.1110	and a
	- potential systemic absorption as throughout + body.	nd distribuli	m
	- It has a mutagenic and carcing	ogenic poter	rtial.
	New er pupptrony agents -		
	- more consistof tricalcium in tetra aqualcium alumina, femite, co		
1	- Formocresol, calcium hydroxide		
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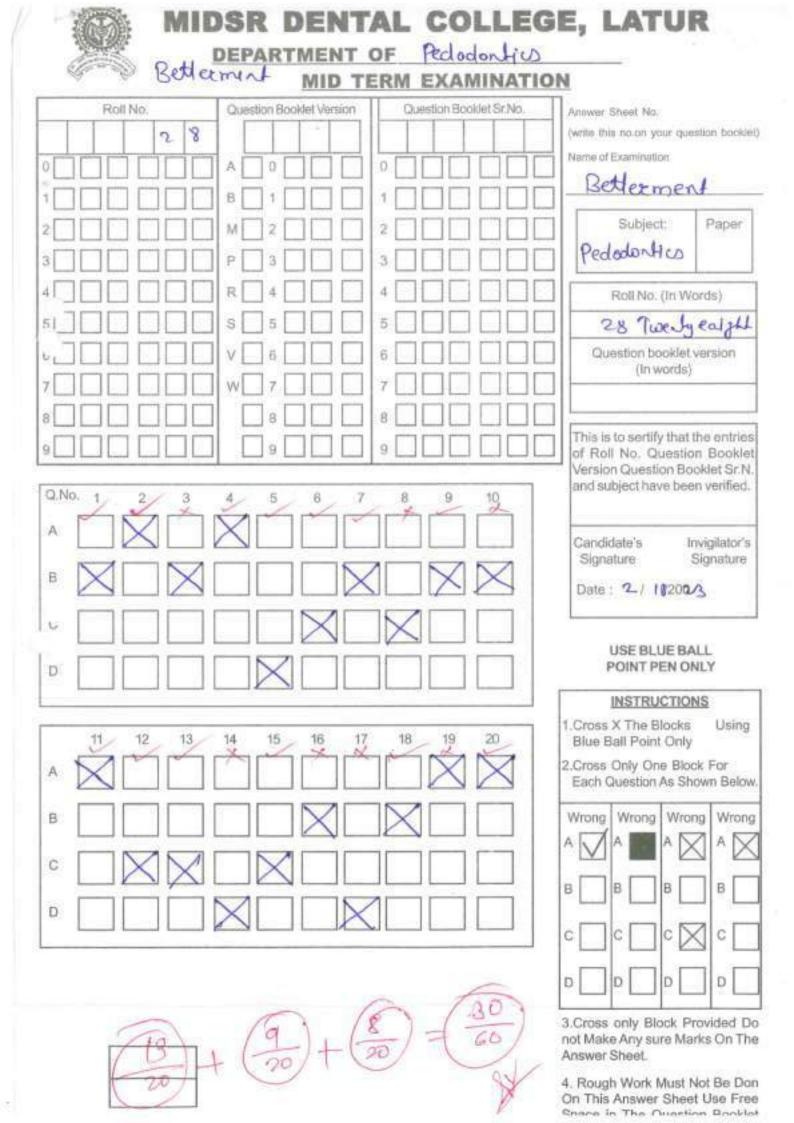
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21	- Jewassan - Jewassan
->	Topical Flynide
	The second state of the se
	Is selective action on the hard tissues of the
	body attributes significantly to prevention and
-	control of dental canes.
	The state of the second s
-	- TOpical fluorides are placed alrectly on the
-	teets.
	- some preparations previde high or low concentrations
	of flugide over a short period of time.
_	
1.5	Advantages -
	- Requires my 2 application in ayear
	- mesel proparation can be self applied + thus
	the cost of application also gets reduced.
	•
	- Ithas the ability to deposits fluoride inchance
	to a deeper depth.

Page No. Date: / 1 MIDSR Diradvantages -- Practical difficulties like the teem should be kept wet for for 4 minutes. -It is acidic sour and bitter in taste It cannot be stored in place containers. Application -Pricedure for application of sodium fluoride (Knutsons technique) oral prophylaxic done 1teeth isolated either by quadrant orby not mouth. 2 21. Not soin is pointed on the air dried teem so -mat an surfaces are isibly wet. 1 allowed to dry for 3-4 minutes. L 2nd, std, ath MAF application, each not proceded by 9 Prophylaxic, is scheduled in intervals of approximately one week.

	A.				
	MIDSR	Page No.	Date:	1	/
	Modesfaction-	Stranky -			_
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	Initially reads to dehydration t	Shinkage	· of		
	-hydroxyapetite crystals.	a divis			
	h				
	breakium prosphare dihyare	ute.	-		
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	Flumide prevents into crystals d	eeply -mou	de		
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	To allow the house of the	n-ladnes.	6		
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Roll No. of Student :-	28	(0)	
B	on:-Internal As	sessment Exa	mination
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1 4 Page No. Date: MIDSR SASD COLUMNOUS STA Patamid Food fat, oils SWEE Hilt Jogut Fab > meal poulton chuse. Fouit /vegu tashe Rice Barcad, ano 6 O 0 ń



Page No. Date: /

Home & its Variations. Dr Evangeling jordun just described the techniquim 1920. Used in a healthy child who is able to undecotored 4 co-orperate but who eschibits deflard or hysterical behaviour. A Hand is placed on childs month & beliaviord expectations on clamby explained To goin childs attention enablish communication with the dentis To eliminate inappropriate avoidance behavior to treatment abo dd a 23 lencher wright Aversing conditional # Variations -> Hand over mouth with airway restricted 00 Ы held over mouth More Towel C A Wel are mouth trase fould

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MAHARASHTRA INSTITUTE OF DENTAL SCIENCES & RESEARCH (DENTAL COLLEGE)



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Tel : (02382) 228063, 227703, 227424 Fax : (02382) 228063

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DEPARTMENT OF PEDIATRIC & PREVENTIVE DENTISTRY

IV BDS WINTER 2023 BATCH

BETTERMENT EXAM RESULT

Sr. No	Name of The Student	Maximum Mark	Section A	Section B	Section C	Marks Obtained
8.	Agrawal Chetna	60	16	9	11	36
2	Biradar Hrushikesh	60	10	7	10	27
3	Gaikwad Snehalata	60	14	6	10	30
4	Jagtap Vaishnavi	60	16	9	6	31
5	Mamde Deepali	60	16	9	10	35
6	Wanole Ajit	60	13	9	8	30

HOD,

Dept. of Pediatric & Preventive Dentistry DEPARTMENT OF PEDODONTICS M.I.D.S.R. Dental College, LATUR MAEER PUNE's



MAHARASHTRA INSTITUTE OF DENTAL SCIENCES & RESEARCH (DENTAL COLLEGE)



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DEPARTMENT OF PEDIATRIC & PREVENTIVE DENTISTRY

Notice

This is infrom that Betterment exam IV BDS Summer - 2024Batch for Pediatric & Preventive Dentistry have been scheduled on 31/05/2024 at, 02.00pm for the following students. Attendance is Compulsory.

Sr. No	Name of the Student	
01	Chavan Ajit S	
02	Shingare Ranjeet	

DEPARTMENT OF PEDODONTICS M.I.D.S.R. Dental College, LATUR

MIDSR DENTAL COLLEGE, LATUR

DEPARTMENT OF PEDODONTICS

Betterment Examination IV BDS (SUMMER - 2024)

Date:

> SECTION - A

MCQ

1. Cognitive theory of child development was given by

- a. Sigmund Freud
- b. Jean piaget
- c. Erik Eriksson
- d. Bunner C

2. By the age of----- the full compliment of deciduous dentition is present

- a.1 & 1/2 to 2 years b.2 & 1/2 to 3 years c.3 & 1/2 to 4 years d.4 & 1/2 to 5 years
- 3. Drug dosage according to Forbes rule is calculated based on.
 - a. Age of the child
 - b. Body weight of the child
 - c. Height of the child
 - d. Body surface area of the child

 Whice of the following materials is the most ideal for indirect pulp capping

- a) Calcium hydroxide
- b) Zinc oxide eugenol cement
- c) Zinc oxide powder only
- None of the above
- 5 Pulpotomy in non-vital tooth is called as
 - a. Devitalization Pulpotomy
 - b. Mortal Pulpotomy
 - c. Electrosurgical Pulpotomy
 - d. Laser Pulpotomy

i. The principal source of fluoride ingestion is

- a. Milk
- b. Plants
- c. Water

 $(1 \ge 20 = 20)$

d. Animal food

7. Around what pulp pressure is pulp inflammation considere irreversible?

- a) Smm of Hg
- b) 20mm of Hg
- c) 14mm of Hg
- d) 35mm of Hg
- 8. Resin modified GIC is also called as
 - a. Cement
 - b. Incream
 - c. Dicor
 - d. Compomer
 - 9. Stainless steel crown is introduced by
 - a. MacDonald
 - b. Humphrey
 - c. Stewart
 - d. Pinkham

10 All the following are used for cementation of the crown

EXCEPT

- a. Zinc phosphate
- b. Zine polycarboxylate
- c. Glass Ionomer cement
- d. Resin

11. Restoration of choice in endodontically treated primary second molar is

- a. Stainless steel crown
- b. Cast gold crown
- c. Amalgam
- d. Zinc oxide eugenol
- е,

12. The tooth present at the time of birth is known as

- a. Neonatal
- b. Perinatal
- c. Natal
- d. Prenatal

13. Cvek's technique is

- a. Partial Pulpotomy technique in non-vital permañent teeth
- b. Complete Pulpotomy technique in vital permanent teeth
- c. Partial Pulpotomy technique in vital permanent teeth
- d. Complete Pulpotomy technique in non-vital permanent teeth
- 14. Theory NOT related to Dental caries is
 - a. Worm
 - b. Acidogenic
 - c. Genetic
 - d. Autoimmune

15.In Ellis & Davis classification, class III is

- a. Only enamel is involved
- b. Enamel and dentin are involved
- c. Enamel, dentin and pulp are involved
- d. Tooth is non-vital

16. Parrot like repetitive speech is found in

- a. Autism
- b. Marfan syndrome
- c. Cerebral palsy
- d. Mental retardation

SECTION - B

SAQ

- Define and Classify dental caries
- Diagnosis of pulpul diseases
- 3. Physical retrainers
- Self correcting anomailes
- Space regainers in early mixed dention phase.
- 6. Describe dental plaque
- 7. Describe serial extraction and write in detail about Tweed's method.
- 8. Tongue thrust habit
- 9. ART
- 10. Describe Pilpotomy procedure with diagram.

SECTION - C LAQ

- 1. Define ECC. Describe stage of ECC. Write about Management of ECC.
- 2. Write in detail about Development of Occlusion in Children.

17. The % of Idoform in KRI paste is

a,	85.8
b.	86.8
c.	87.8
d.	88.8

18. Which rule is followed by majority of surgeons as a guide for cleft lip & palate repair?

- a. 5
- b. 10
- c. 15 d. 20

0.20

19. Apexogenesis of incompletely formed root is to

- a. Induce the formation of apical 1/3 of the root
- b. Closure of apical foramen in a developing tooth
- c. Induce formation of apical 1/3 of the root
- d. Deposition of cellular Cementum at open apex

20. A child aged 4 years has symptoms of malnutrition with dirty clothes. This is classified as

- a. Physical neglect
- b. Emotional neglect
- c. Emotional abuse
- d. Physical abus

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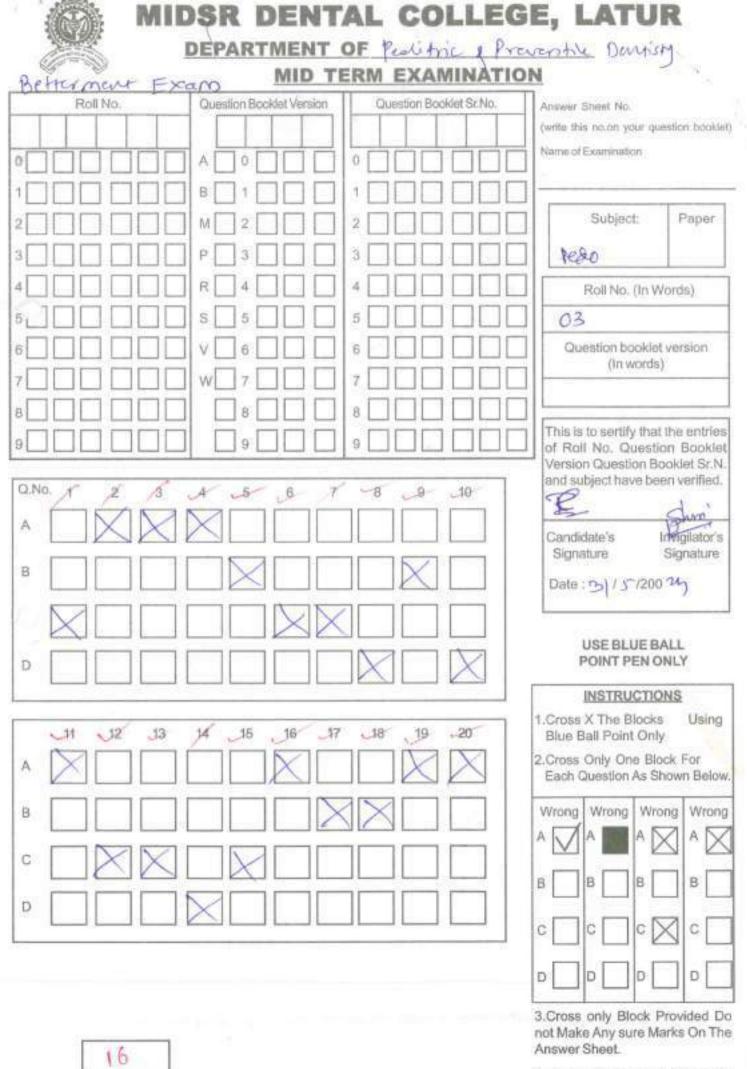
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	- 10-18 months.
	- Chalky white demineralizat in
	mak ant.
	- No pain
	no pain
Sho	18 I:- Damaged contours stage
	- 18-24 months
	- lesion spread into dentin &
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	- Pain on consuming cold it
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MIDSR Page No. Date: 1 Managemen 9 irst visit Identification of lesion Lesions should be executed \$ restored Indirect pulp capping If abeen I should be drained sativary flaw rate Defemine Topical fluoside application. 2 Second visit Diet chant analysis Reassess restoration Caries activity Acotes



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	IDSR	Page No.	Date: / / ,
3	Third visit		4
-	Restoring all decayed	teeth.	
-	Endodontic treatment	any harded	
-		Extract	172
/		space	maintain
/ _	Grown placement should	Ge do	ne.
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2	Deviduais Dentition		
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	→ Bet" man first		
15 10 1	2 AKA Sir	nian	spaces
-	Physiologic spaces : - Ent be		
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	= Space for LC+D+E Space	ace for L	5140
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	A[c to accurance :- -> Primary -s Secondary -> Residual
0	ALL 6 location :- -> Pil & fissure -> Smooth surface -> Root
3	Alc to direction in- -> Forward -> Backward.
(u)	Alc to age 5- -3 Ecc -3 Adolscent -3 Senilo.
0	ALC to extent :- -> Incipient -> Cavitated.

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	- Swelling intraoral.
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•	Apical periodontitis - pain is sharp
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	- Continuous lamina dua
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27	Physical Restrainby	and the second s	- 11
3	Used to stabilize the continuation of the.	patien	t for
D	Types:- Mouth -> Tonque blac -> Rubber bite b	les locks -	
2)	Extremities -> Posey strap -> Towel		
C	Body - Popose board - S Triangular st	l heets.	
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MIDSR Page No. Date: / 1 Pulpotamy 10 80 0 allower Remara caranal hu pu that dressing Lacemen prom al realing Indications ¥ ---. vadicular pulp Vital -Procedure 2-Đ Tooth anesthetized & solated Caries exeavation Deroofing of pulpal chambes Complete 01 coronal tempra Irrigation of chamber. pulpa Pulpal Chamber dried thorought C cotton pellet (formocresal) placed in contact 2 Cotton pel sol" pulp Stump 5 min for

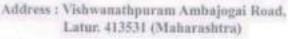
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MAEER PUNE's



MAHARASHTRA INSTITUTE OF DENTAL SCIENCES & RESEARCH (DENTAL COLLEGE)



Tel : (02382) 228063, 227703, 227424 Fax : (02382) 228063

Email : principal@ mitmidsr.edu.in midsr.latur@gmail.com Website : www.mitmidsr.edu.in

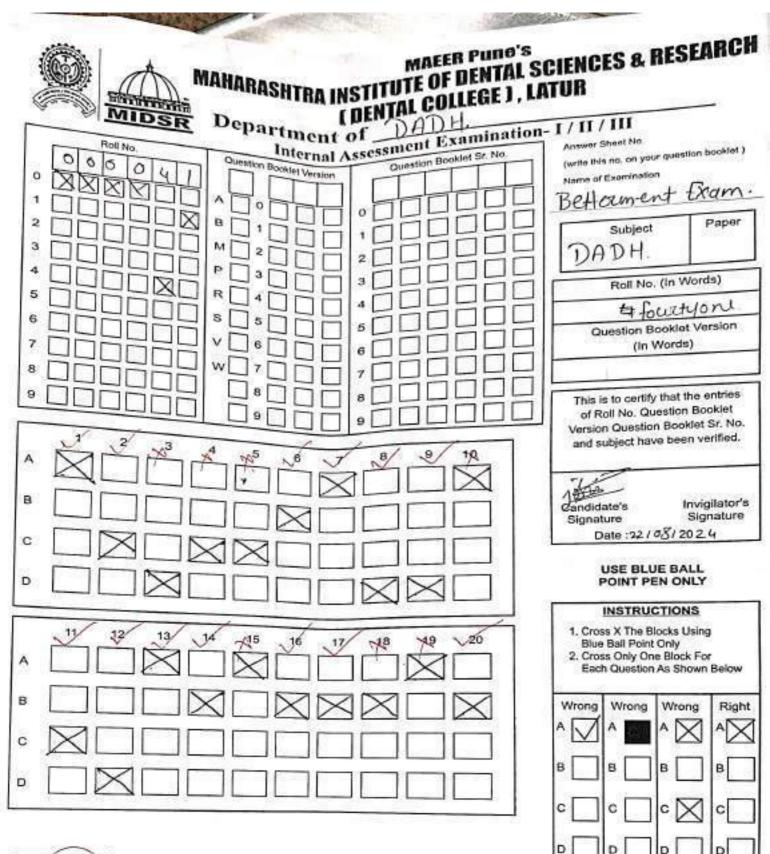
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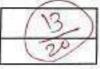
MIDSR

DEPARTMENT OF PEDIATRIC & PREVENTIVE DENTISTRY IV BDS SUMMER 2024 BATCH BETTERMENT EXAM RESULT

Sr. No	Name of the Student	Maximum Mark	Section A	Section B	Section C	Marks Obtained
01	Chavan Ajit S	60	14	10	10	34
02	Shingare Ranjeet	60	16	12	8	36

DEPARTMENT OF PEDODONTICS M.I.D.S.R. Dental College, LATUR





MARKED

Marks Obtained

 Cross only Block Provided Do Not Make Any sure Marks On The

4. Rough Work Must Not Be Done

On This Answer Sheet Use Free Space in Question Booklet

Answer Sheet.

Provided

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	MAEER PUNE'S STITUTE OF DENTAL SCIENCES & RESEARCH DENTAL COLLEGE), LATUR
Name of Student :- Shravani	
Roll No. of Student :- 4 1	Defforment_
Name of the Examination :- Inter	Bestorment Examination
Date: 22/08/ 2024	SECTION - B
Time :	25
Sign. of Student	Sign. of Invigilator
SPECIAL INSTRU	ICTION TO CANDIDATES

- 1. Enter your seat number, name, subject, on the cover page of the answer sheet
- 2. Candidates should not draw additional margins as they are provided on each page.
- 3. Candidates should not write anything in the margin, except question number.
- 4. For each answer write the corresponding question number in the margin. Use the paper judiciously.
- 5. Do not waste the pages. Write on both sides of pages on the answer sheet, for short answer questions answers should be continued in sequence; do not leave blank spaces on the answer sheet.
- Supplements will not be provided to any candidates.

7. Candidates are forbidden a) To bring books, notes, mobile phones, electronic gadgets or scribbling papers into the examination hall, b) Speak or communicate in any manner to other candidates while the examination is in progress. c) Take with them any answer sheet (written or blank) while leaving the exam hall.

- 8. Candidate suspected to be guilty of any of the aforesaid acts will not be allowed for examination
- 9. Candidates should write exam in legible hand writing.

10. If candidates want anything they should approach the supervisor without disturbing other candidates. However, they should not leave their seat on any account.

11. If candidates disobeys any instruction issued by the examiner/ supervisor or who is guilty or rude or disobedient is liable for disciplinary action to be taken against him/ her by the Principal. 12. Questions shall be solved serially or section wise i.e. answers should be written as per serial of

questions.

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Smaran Joshi 41 Section - B Page No. 2 Date: 1 1 MIDSR Supports toth and act as shock absorber They helps in anchorage of the toth. dontal ligament helps in particip pain Sensation to the prain 2) Sensory : formation of Cementum of Dent pulp in. 3 onditions extreme protective: from shedding off. bolds the toth acts as shock absorber G & Anchorage: + onchors the toth. attaches bore to the grooth to the gingiver & bone. 810

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MIDSR Page No. Date: Arch traits of permanent Capinel permanent mandi bular Canine. Pamanent maxillary anine > it is more well defined > It is not al well defined as maxillary and Sharper a bit younder and 91's not 13 Shorto Compary to marelibular ascom Por to marillar Canine (16mm) Canine. [17mm] J. 913 Crown is not as it's Grown is wider much as wider as than ma mesiodistally than mandibular anin maxillary Canini 1135 and shorter Cowics > it is longer Conicooccusaly Occusally both the Conines are > not to crown matter of Sand Mesial slope is Distal Slopeis more Than mesial Slope Slope more than Dista Slope

Page No. Date: 1 Maxillary Canine Manalibular Casine. -> Maxillary Canin's pointee is less point cel 17 > lingual tosa & well defined Cinquian present but cinjulumisnot bet defined 71's Primate spaces present merical to Caning its primate spaces present Distalto mandibular Canine > Mesical developmental groove abscent on Mesial development grouve present og root 1

Page No. Date: 1 1 MIDSR > Musdey of mastication: muscles of may tilation. aze the muscles which helps in masticity movements of maxilla and mandible. Such as elevation, down ward movements Enorda protruction etc. Here are the muscles of mastication temporalis mayseter 2 Median presigoid 3 Temporalis : is the muscle miniates temporal bone and attaches to the romthe of manelible it helps in the ramid elevation of the mandible and backpared forward movement of manolible Magsetor: is the muscle attaches to the ramus of mandible and maxilla it helps in do concorrol movements of manolibile

Page No. Date: 3 Median plezizoid below temporalis and attaches to the next of mandible. it helps in portruides the mandible lata ptai joid 3) This muscle present downward to the mandible attaches angle of the mandible and helps in downward movements of the mandible.

Date: 1 1 Page No. define: elevation othe orchusa isthe his are of the tooth. This are pointed elevations martiCation & entordigitation leps in incisor does no-Whe and 0103 Cusp. one bare Premolary emines has ie motor have yor more 2 or 3 Cusps aches tooth. () forceson Cusps. the Opposite 2 ingulam ? is the small elevation this present on anterior tooth. Cimulum Incisons and present only in Caninel Cingulum mainly highlights the Conviced area ossa: epression imegular a the on the occlusal Dragent Surface it may be triangular mesicel distel 17 anine Known mine 10 nelpsin interdigitation the forces K applied arche's tooth 4 ODDasit

MIDSR Page No. Date: 1 1 Ridge . . 4 Ridge devotion presen inear Dres on CI in 5 Known ridie. a onthe 211 they are present as maja nal rida ma NOC Dalatel/bucco Known VOSLY as hasver rida mesend obliquely knownay oblique ridge 5 move: linear his 15 the enression Swrfac ? onthe. ordusa groove rooJP develop an co CI nentel nove 9 15 15 pin Daind denression set occhusal ace. Sul arises from Centra here. example

Page No, が通い Date: e Paranent dentition. decidous dentition. more well defined hotas well defined and smaller toth present algos tooth present premolary present premolars abscent > memelon are present > mamelons present onincisms > mor not as white, yellowish -> Whiter tooth tooth prosent present. > nosts ary more lomes > nosts are shorter >. Shedding doesnot > Shedding happens. happend More defined occlused -> less defined occlused Surface in molary Scorface in mary firstmalar is danger than Second molar and is > first molar is Smaller than aspenthan third molar Second molan

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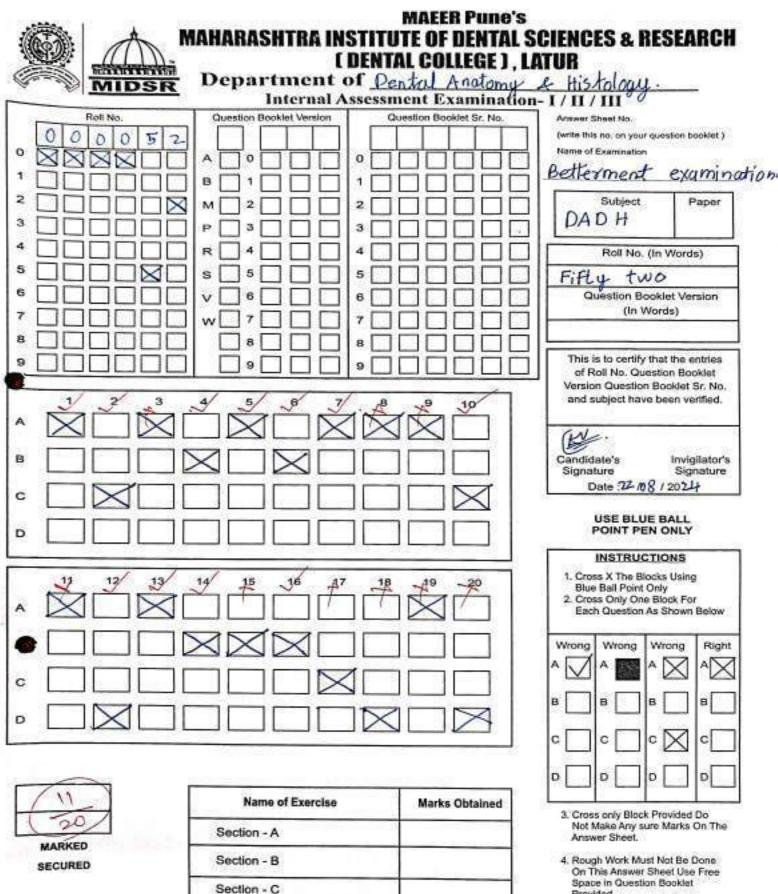
Page No. Date: -AP ateral inclose Central inclose Crown of atora Central incisors ncisor is smaller have large crown > 1715 namower > it is wido mesiodistally mesio distally Both the crowns are traperoid in shape Both the Crowns Contains mamelons. lemth is Root :5 root length Smaller arger 120022 TP or 2 11 NT = 320042 or 41 This are the 2ng This are the first in the arch toth tooth in the arch

Shravani Bandosh Joshi 41 MIDSR Page No. 1 Date: / Section-C 1 Maxillary central incisor is the widest anterior celly. touperaid in shape. Control in cisor is catting we present on the incisal mesio di tann of the mandons are present aspect 0 lahia aspert: ightly trom traperoid asper are present whi mameions labid aspect. from Vilened es of developmented blesare seen. a slightly distally tiltee This 21 lation alored 19. 4

Date: / 1 Page No. MIDSR lingual aspect : Here a fossa is present aspect. is the main on lingua Or Dec elevation which Small the ndu $\Gamma'i$ Cervical region of tossa presen Shape Ø this part viewing Shape תי trape aspect lingu For 0) 0 alon lingular 10

Shravani Sandosh JAMi Gection - C Page No. 2 Date: 1 1 MIDSR 3 1esia aspect: from the messial aspect maperoid. it is Some rP row no mor th ent on 0 al towards the onve Care towardy -Ó Con hp from this aspect. 5 e visi 100 0 Main aspect 11 2

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Page No. MIDSR Date: 1.14 Q1 ana da 7 a cellular cementum? 8) Difference cellular. lolus K Cellular Acellylar -> cementum. cementum Incommital Line . Sharpeys liner 4 2 Comentantes Tombrandge 10 600 -Postin Present on apical 3rd Apprent 2/3rd portion Present on region of root of root Rotefformation - Fast Slow cementorytes present, Comentacytes are Absent Cementaid Are Present Are absent. Encrimentalling not regularly Incrimental lines are Earned regularly formed. Incrimented lines are Incrimental lines are for apart closer to each other. Apical. Helps in Anchorage.

Page No. Date: / 1 MIDSR St N 152 Enumerate stages of tooth Development Weite. QC) with digeom labeled well -> the hards de. 1.0. tooth development :-Stages . Bud staye · Cop stage A Early bell stage. . Advance bell stage 1and in ٠ Set. 31.53 1.20 100 202 10 and be at 1 ÷ 423.00 ÷ Sec. As 1.5

Page No. Date: MIDSR Advanced bell stage Collegen fiber. Outer epith example epitholium Blow Vossel Shelliet retirutan struturn intermedición Enamel space) Dentine Inna erumal epitadium. > Odontablist . + Pulp. is final stage of tooth development 41 of cell present - outerenamed epitheliun Types Inner enginal epithelium . stellet exticuly m " 0] strutum intermediation adonta blost : this stage odontoblast form the 1st layer 20 1 of dentin. · Nucleus of inner oppienamal epithelium peremos basel.



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MIDSR Date: 1 1 Page No. of saliva. First. Composition & Function b > Saliva. Composition is protection of oral 9t's primary role cavity. At usually composed of water 99% & 1%. composed of organic, inorganic & other substance. Saliva. 17. Inorganic 99%. Water orgunic etc Organic Inorganic Na, K, Catt, CI, HPOH ote Gilycoprobing (4x holy drots Different TAS

Date: / / Page No. lososime, etc amy lase. com posit in of-Sullika antibactorial conporunds. Function :is protection of aval. Saliva's main function cuvity. It helps in speech mostication, deglutition, test, swallowing, anti-bacterial lubrication, anti microbiel · Saliva keeps oral cevity moist which helps in. speech prespective. · Exception: Various substance from blood enter into saliva thus it help in execution. clinical: Thus, drugs or atte other substance. present in body can be tested through saliva. 0 Diglution - sulive, help in lubrication thus · Digestion - Various component of saliva get mixed into food & preak down of it actures. Taste - Atter break down tast sensitions can be present.

Т Page No. Date: 1 1 MIDSR Saliva removes non-odherant pucturia from nouth deluy. of ゴナ helps in prevention of doing tooth bg. it. . 1 1.1 - ~ 1 ł, 2 ÷ 11 6 1) 0 . . £ = 1 4 • a, . ŝ. 1 ... 1

Page No. Date: / MIDSR W. M. Dr. 344 6 D Pixetives? 7 Fixudiv1: North Sec. function of tissur. use for Theu beit cheqp. from fixitive, should Fdall easialy guild discoluritation ye on tiss in never dening usable sectioning of tissue by making help They typest D simple tixative. (Formalia Vanar 2 compound fixative (Bovlen's sol") 3 Inmuhaglabin fixedive: antibucterial.etc Cytological ficative - etc. applasum 4 Protection. chanical + Keeps histology Histo 3 TISSUR Fixative: used commonly sol (pieric acid) - renal & testicular test

1 1 Date: Page No. MIDSR es Hype calcified structure of enamel are Incrinental line of retizius. R & Neonatul lipe Engmet Tuffs. Š D Enamel spindle. D Enamel Lymellue. LAUSS -----O @ Incrimental lines & Neonatal linestier (7)5]: > Incrimental bings > Wannet ul line. · Incrimental lines are Formal after mythamic depositionof epinamel: · Noonatal line is dont line reprosenting pre nantal enume · Proputed enamel is more mineralised as it is extremtly protected Ŷ.

MIDSR Page No. Date: / / Enginel Tuff. Eloze, G.S] > Enamel spinlle • They are rainbow like. starter. Extending From Sents enound, junction, towards enound surface • they are grass shaped structures. Engral spindle. Dox. GS] Enunel spindle "They are extended portion ref edontablest process that extend from denting. . They are drop like structure They are usully preserves the cosp tip

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MAEER Pune's MAHARASHTRA INSTITUTE OF DENTAL SCIENCES & RESEARCH (DENTAL COLLEGE), LATUR

Department of _

	Name of Student :- Kunal N. Lahane.
	Roll No. of Student :- 6 6 6 5 2-
	Name of the Examination :- Internal Assessment Examination
2 1	Date: 22/08/24 Time:
-	Sign. of Student Sign. of Invigilator
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	the second s

Date: 1. 1 Page No. QI 7 Short note on embrasures. a) Embrasures :-When two teets of some arch comes together they 7. Form 4 consecritive spaces adjecent to the contact are they are known as embraseres. They are tryinguly or V-shaped. spaces Embrasure are haved according to their to Entlocation & Form the aspect from which they are viewd. When viewed from buccal aspect = 2 empropures are see - Inisal / octural. crevical ingital. For Incisal opped: 2 emprasares are seent burcal llabial. Fingual the two teeth.

MIDSR Page No. Date: / 1. 24 2.0 Physiological 4505 used as spill ways during . Empersures are mastication cleaning of tooth self help in They desp . Incisal Empresure-Thir gize increses from to toward anterior posterior teeth . Grevical Embrasure: Their size decreses from anterior towards posterior toeth. rubial & lingual of embrasaros ave same size the anterior toothwhile differ in their size posterior toeth.

Date: Page No. 1 Masche of Masticution of Mastication:-Muscle. Masticution is the process used for charging of Food particles. mixing of salive branckdoon of food particles etc. Masticution. of muscles word in They are it types mastication -D Massatur. 3 Temporalis 3 Triedial pterygoid D feltural ptorygoid. D Massuber the strongest suscle used in masticution 15 Origin = zygemetic arch Incersion: angle of samus of mandible Supply - Massater nerve. Nerve Function - Forceful chening & closing of mouth.

Page No. Date: 1 Temperalis :-B fin shaped ۲ musch the largest muscles k Origin? Temporalis tossa Incersion: Anterior body of samus mandiple. Nerve Supply: Temporalis brunch of mandibular nervo. . peid - It 3 Medial texu runs 11 to MASS 9tz inner aspect. origin = Medial I lateral tery goid side 0 plate. mandibulgr FIDDA Side of Inversion Norve supply - Nerve present mandibular on 4YCh Functioni Elevertion & pairotorusion an 1 Cor 3 @ Luteral ptery goid: ۱ Origin: Sesamoid bong. Function: depression & retraction t

Date: Page No. -MIDSR Define the following = & TE e d > cuspin they are the alevation or mount present 1 0 as the occlusal surface of crews 세 · They are named according to their location R on the teeth present of usps varies of different teething · No. 14 0 Canine - 1 cusp . i. Maxillary premolar = 2 cusps Mandibalar 2nd premolar -3 rasps . Atom Maxillary 2st melar + 4 functional susp Mandipular 1st molar : 5 cusp. ST Non function casp are abso present an casp of carebeli . Cinquely former present and · Those and · It is known is jixdle. 12 · It is prosent on anterior teeth. · It is present on lingual aspect.

Page No. Date: They are present of cervical 3rd region present on unterier teeth. A Fossai It is concertify present on the ealusy sarfuce of teets. ridge - are the linear elevation present on the surface of tooth. They are maned a cording to their location E Every cusp has two ridges mesial & dista tooth bas marginal ridge present on Mestal marginal ridge · Every them Distal marginal ridge. A Groovi- They are linear depression presat on surface of tooth they are named according to their position 0 f central grove. puccal grove etc. Supplementary and grooves are also present according to shape - traingular groups. Misial & distal triangences gradue

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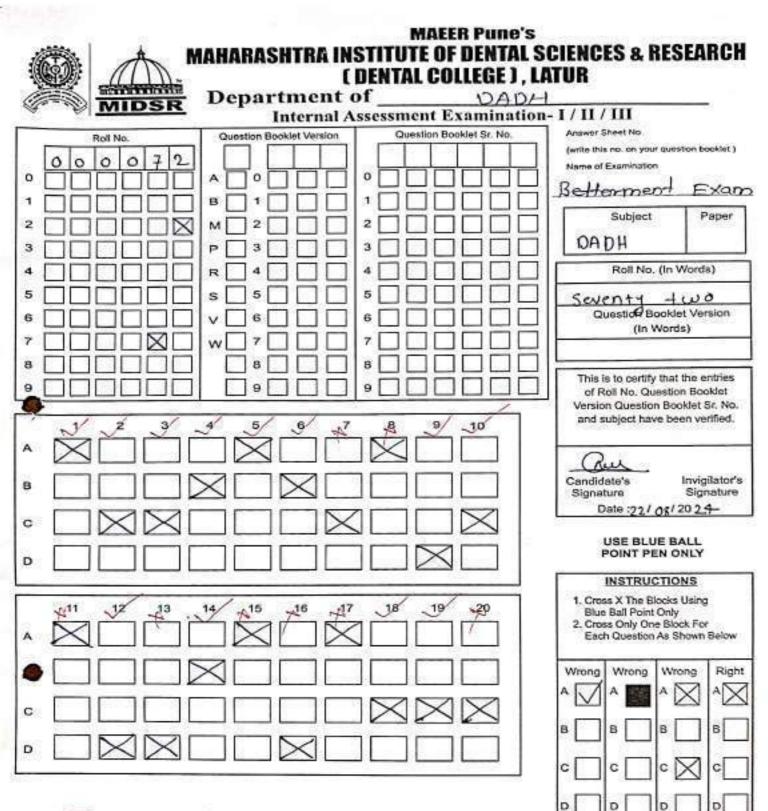
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Page No. Date: 1 1 . 2 Q2 Antroduction : Ø It is the 1st tooth friom the medial runface 6 of teeth. a star root to crown ration 15 some while Sinmilar PROOF is conical in shape. 1 Vert Notation : Right 0. Universal :-4 9 2 palmer a: Ð 11 FDI : 11 21 Age af exuption = 7-8 genrs. .

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1 Date: Page No. Q2.6 3rd position of footh. Canine is present on Maxillary canine have for a longer reats compris te mandibalar. The proximal ridgel on propresent on baccul aspect More prominent on maxillary canine · Por focss of maxillary canine deep mandidibular is plure • Maxillary cunine is singulum is centrally present. Mandibulg canine singule distully present.





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- 3. Cross only Block Provided Do Not Make Any sure Marks On The Answer Sheet.
- Rough Work Must Not Be Done On This Answer Sheet Use Free Space in Question Booklet Provided

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MAEER Pune's MAHABASHTRA INSTITUTE OF DENTAL SCIENCES & RESEARCH (DENTAL COLLEGE), LATUR Department of Ocotal anotomy & histology Dental Name of Student :- Rajuade Aditya Balay Roll No. of Student :ð 0

Name of the Examination :- Internal Assessment Examination

Date : 22 2004 05

Time :

Sign. of Student Sign. of Invigilator

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SPECIAL INSTRUCTION TO CANDIDATES

- Enter your seat number, name, subject, on the cover page of the answer sheet
- 2. Candidates should not draw additional margins as they are provided on each page. Candidates should not write anything in the margin, except question number.
- For each answer write the corresponding question number in the margin. Use the paper
- judiciously, . - 11 5. Do not waste the pages. Write on both sides of pages on the answer sheet, for short answer
- questions answers should be continued in sequence; do not leave blank spaces on the answer sheet
- 6. Supplements will not be provided to any candidates.
- 7. Candidates are forbidden a) To bring books, notes, mobile phones, electronic gadgets or scribbling papers into the examination hall. b) Speak or communicate in any manner to other candidates while the examination is in progress, c) Take with them any answer sheet (written or blank) while leaving the exam hali.
- 8. Candidate suspected to be guilty of any of the aforesaid acts will not be allowed for examination
- 9. Candidates should write exam in legible hand writing.

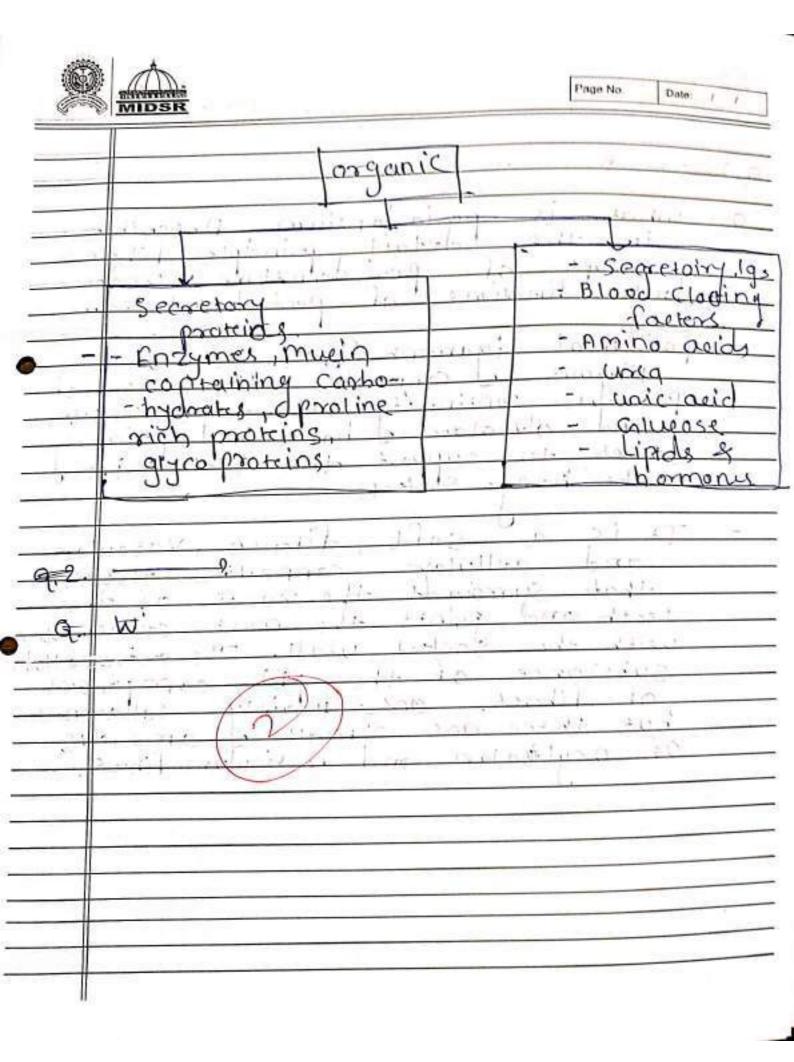
10. If candidates want anything they should approach the supervisor without-disturbing other candidates. However, they should not leave their seat on any account.

If candidates disobeys any instruction issued by the examiner/ supervisor or who is guilty or rude or disobedient is liable for disciplinary action to be taken against him/ her by the Principal. 12. Questions shall be solved serially or section wise i.e. answers should be written as per serial of questions,

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Date: / Page No. MIDSR function of saliva. composition & 67 composition of saliva. most important, function the Salivary moduction 91000 the 19 Secretion and OF Sali Protection of 15 oral Carity the major function Salivas -through 1L a150 sower other tunction Such as igethion speech, massication. sepair. taste and issu e saliva consist of ggi water Inorgani's ions. glycoproteins. of some Secretory consistunest , other substance account 1% or less. Saliva 0 39 7. water J. Inorganic organic Substance and Inorgaine ions. Na, Kyca, CI, HCO, & organic tipo+ ;etc

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Date: / / Page No. Nutto nutrive. 3 Which vessele PDL containts bloce Cen to its previde nutritio, ficia cemetocytes am alvelow Osteocyte Homeostatic 4 PDL has the capacity reser -+0. Synthesizue the expacellula Substance connective ' size the the ligament 0 alven bon cementum ampl Eniphve 1 1 Vascillan elemen the 0) extratedlylow marts done : protein 0.1 function ppl collectives 10 enabl emption . . 2. 7 4 ... D X DI 5- DIST . 4 1 1 80 1. 1. 1-13-63 1.1.3 1 いりまれ) 0.11 14. 23. 3 64 624 1.20 1

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	Name of Student :- Rajwade Aditza Balaji
	Roll No. of Student :- 0 0 0 7 2
	Name of the Examination :- Internal Assessment Examination
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	Time :
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41 2000 20	 Candidates should not write anything in the margin, except question number. For each answer write the corresponding question number in the margin. Use the paper judiciously. Do not waste the pages. Write on both sides of pages on the answer sheet. for short answer questions answers should be continued in sequence: do not leave blank spaces on the answer sheet. Supplements will not be provided to any candidates. Candidates are forbidden a) To bring books, notes, mobile phones, electronic gadgets or scribbling papers into the examination hall. b) Speak or communicate in any manner to other candidates while the examination hall. b) Speak or communicate in any manner to other or blank) while leaving the exam hall. Candidate suspected to be guilty of any of the aforesaid acts will not be allowed for examination 9. Candidates want anything they should approach the supervisor without disturbing other 'candidates. However, they should not leave their seat on any account. If candidates disobeys any instruction issued by the examiner/ supervisor or who is guilty or rude or disobedient is liable for disciplinary action to be taken against him/ her by the Principal. Questions shall be solved serially or section wise i.e. answers should be written as per serial of
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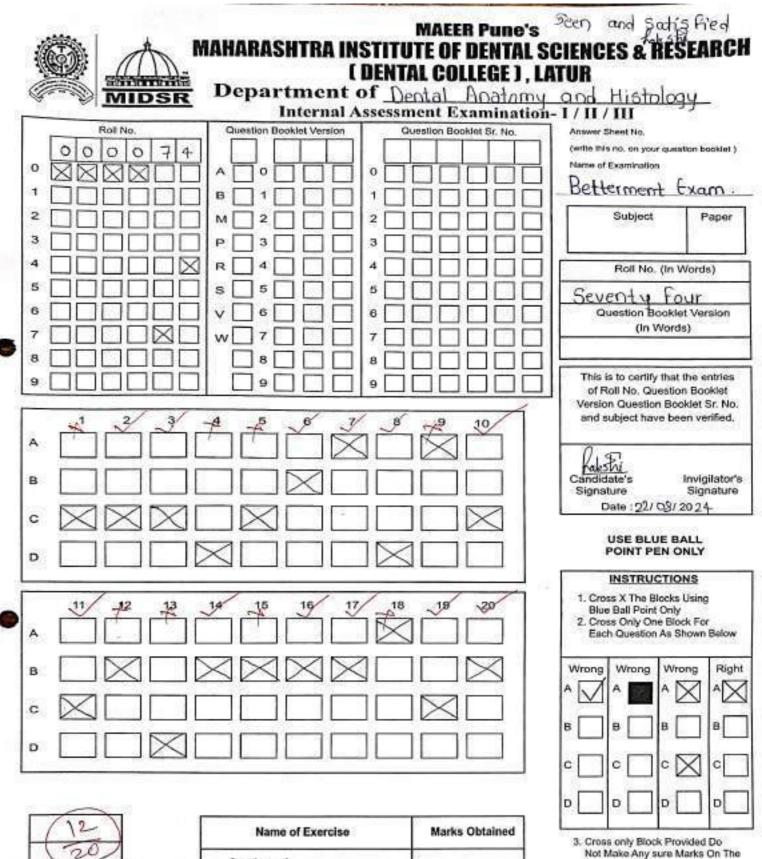
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Section - A

Section - B

Section - C

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- Rough Work Must Not Be Done On This Answer Sheet Use Free Space in Question Booklet Provided

-	Department of <u>Dental Anatomy and Histol</u>
	Name of Student :- Sakshi Shivajiran Sakhare
	Roll No. of Student :- 0 0 0 7 4 Batterment Examp
	Name of the Examination :- Internal Assessment Examination
	(SECTION - B)
	Date: 22/08/2024
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	SPECIAL INSTRUCTION TO CANDIDATES
	 For each answer write the corresponding question number in the margin. Use the paper judiciously. Do not waste the pages. Write on both sides of pages on the answer sheet, for short answer questions answers should be continued in sequence; do not leave blank spaces on the answer sheet. Supplements will not be provided to any candidates. Candidates are forbidden a) To bring books, notes, mobile phones, electronic gadgets or scribbling papers into the examination hall, b) Speak or communicate in any manner to other candidates while the examination is in progress. c) Take with them any answer sheet (written or blank) while leaving the exam hall. Candidates should write exam in legible hand writing. If candidates disobeys any instruction issued by the examiner/ supervisor or who is guilty or rud or disobedient is liable for disciplinary action to be taken against him/ her by the Principal. Questions shall be solved serially or section wise i.e. answers should be written as per serial of questions.
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MIDSR Page No. Date ong Answer Questions -> Periodontium ligament is a fibrous connective tissue that connects cementum to alveolar bone. * Functions of Periodontal Ligament D Sensory: PDL performs sensory functions @ formative : PDL performs formative functions @ Secretive : PDL lubricates essential companent * Principle fiber groups of periodontium. Principle fiber groups of periodoptium are separated from & cementum. * There are four types of principle fibers, they are,) Apical fibers 2) Oblique fibers 3) Horizontal Fibers Transeptal fibers. s) Apical Crest fibers.



Page No. Date: / / Apical fibers * Origin of apical fibers. -> from the apical part. * Attachment of apical fibers -> To the axial part of the toot: * Insertion of the apical. fibers. -> from Apical portion to the alveolar Bone. Oblique fibers. * Origin of Oblique fibers. -> Originate obliquely * Attachment of Oblique Fibers. -> To the Horizontal part of the root. * Tosertion of the oblique fibers. -> from obliquely to the alveolar hone.



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*	Joserti	en of Ho	prizontal	Fibers	137	
->	Horizon	tally to th	e alveola	r bone		
		est fibers.		E public		
*	Origin	of Apical	crest fi	bers		
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->_		attached				
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5]	Transeptal fibers
	* Origin of Transeptal Fibers
	-> Originated Transceptally
_	* Attachment of Transeptal fibers
	> Attached transeptally to transeptal portion
	* Insertion of Transeptal fibers.
	-> Transeptal portion to the alveolar home.
	* functions of Principle. Fiber groups. of periodontium.
	1) Apical fibers.
	-> These fibers resist axial forces on tooth.
	2) Oblique fibers
	-> These Fibers tesist oblique forces on tooth.
	3) Horizoptal fibers.
	-> These fibers resist Harizontal forces on tooth.

Page No. Date: MIDSR Apical crest Fibers. These Fibers resist Forces exerted axially or apically on tooth. Traseptal fi ets . > These fibers resist forces exerted on tooth transeptally. Enamet Space Gingival epithelia > Apical fibers Hor 1200tof > Ginginal Fibers of epithelial sh fibers. B 3 Ploced vessely Oblique fibers Fibroblast

T MIDSR Page No. Dat Short Answer Question Ы Composition of Saliva. Saliva mainly performs the function of protection in the oral cavity. > It also performs other accessory function such as mastication, speech, deglutition tissue repair, - Saliva consists of three major salivary glands extra orally and minor glands inside oral cavity -> Saliva. contains 99% of water and 1% of inorganic and organic content. Saliva. 99%. Water Z Inorganic organic content.

Page No. Date: Toorganic Organic content L'ipids, Roteins, enzymes, K, Na, Ca, HCO3, HPO4. Uria Uric acids Amino acids Immunoglobins. tunctions of Saliva Protection Saliva mainty performs the function of protection from microerganisms Prevents deccication of oral mucosa. * Antimicrobial function. Performs antimicrobial functions. * Mastication -> Saliva helps in mastication by releasing salivary amylase. -> Saliva also secretes lipoproteins.

Page No. MIDSR * Deglutition and speech -> Saliva helps in lubrication of oral cavity thereby eases deglutition of food and speech. * Tissue Repair. -> Saliva belos in would bealing * Keeps the oral cavity moist -> Saliva keeps the oral cavity most and eases the breakdown of food.

Page No. Date: MIDSR 1 1 21 :d fixatives. = fixation is a process in which tissues are kept in a as possible living situation. 05 - This process is manapged under certain. conditions such as i) they are kep away from fixatives They are kept-in cold temperatures. 3) kept in optimum PH fixatives. Chemical fixatives. Farmaldebyde. Acrolein glutaraldehyde & Electron Microscopy 0 (3) Rossman's fluid:) Glycoproteins. ·) for Proteoglycons. 3) lypoproteins



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Day @ Cropy's fluid & Nucleic Acids Freeze Fresh Sections tresh-Debydrated ! Liquid Nitrogen s to formalio. the formaldehyde is the commonly used fixative because of its. > reactivity with mucoproteins.

Section B Roll no 74. MIDSR Page No. Date: 1 1 Short Apswer Question. Hypo-Calcified Structures of Enamel Hypo - calcified Structures of enamel are those structures which have high mineral content. > These structures are Enamel Spindles. the odoentoblastic Epamel spindles are processes present at. the chamber of pulp and extend to DET and get entrapped in enamel -namel lamellae. 2 Are thin structures originating from Fname) DFT to These are of Three Types. A, B&C, Type C are of most common Enamel Tufts 3 Enamel Tufts resemble the tufts. of grass.

Page No. Date; C 201 - EDame) Tufts are present on DF.J and originate to ename Neonatal Line. Tt is a bypomineralized structure and divided into two parts postnatal and prenatal line. - Originate from DET extend into Enamel Incremental lines of Retzius. Brown Lines Originating From DET and extending to enamel baving high mineral content are termed as incremental lines of tetzius. Dentine Enamel Junction. 6 > It has high mineral content therefore is called a hypomineralized structure. NA

MIDSR Date: / Page No. Cellular Cementum. Accellular Cementum. a -> It is permanent = It is primary -> forms after the eryption of the tooth. -> forms before the eruption of the tooth Cellular Cementum 白白 Cellular comentaria 15 15 > Dentinal Tubulles 氨 Sharpey's tibers tomes granular layer Acellular Cementum. > Tomes granules > Dentinal tullules Sharpey's frbers

	MIDSR	Page No. Date:
	Acellular	Cellulas.
->	(ementacytes are absent	-> Cementorytes que
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->	tomes granular layer present	layer i's not
		present -
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Section B Roll TO 74. MIDSR Page No. Date: / / Shor Answer Question The stages of tooth development are. a) Bud Stage b) Cap stage c) Eary Bell Stage D) Advandged Bell stage E) Root Development Stage. * The Bell stage is classified into two types @ Early Bell stage and @ Advanced Bell stage. 11 -> The advanced bell stage consists of the ameloplasts which are the enamel forming cells. -> The stratum intermedium layer has already been disappeared -> It consist of encimel space (also dentinoid -> It consist of adapta blast which are the deptin forming cells

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Date: 22/ 08 / 2024	
Time :	and a guide of
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SPECIAL INSTRUCTION TO CAN	DIDATES
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Lost prov	and the state of the
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MIDSR Page No. Date: Short Answer 1) > Muscles of mastication are muscles survounding the joint togetherly work and occurs movement of joint. Abe -> Mainly the muscles of mastication are. 1) Masseter It is the main principle muscle mastication. > Nerve supply -> Masseter nerve. Attachment - two headed attachment one at the later part of mandible mandible functions :- Pratrusion and Jaw movemen in Chewing Food. .

Page No. Date: Temporalis. Temporalis is the largest muscle and constitute the whole temporalis Fossa. Function :- Protousion and retruction of the elevated jaw lateral pterygoid. It is a small muscle. Attached to the clavicle. -> Function Protrusion and Jaw movement towawards lateral side Medial Pterygoid. 4 Its function is protrusion and elevation of the mandible and the Jaw Tts movement . 1.2

Date: / Page No. 9 - Embrasures are the cavities present pt between the teeth of the same arch eround the spares present between the teeth - These embrasures are of v shape -> Side of the embrasure depends on the aspect we are looking at the -> from the lingual 'aspect, Incisal and cirvical aspect of tooth is seen. - from the incisal aspect, lingual and palatal aspect of tooth is seen TE we draw a Imaginary line between these embrasures these are 0 equal. annes al a la * Physiological properties of probrasures -> Present for cleansing perpose in naturally mechanism of tooth. Present for cavities during mastication -7



Page No.

Date: / /

	* Other components of embrasures. -> lingual Aspect D) Jocisal aspect increases in size			
	<u>from onterior to postenior.</u> 2) (ervical aspect decreases in size from contenior to postenior.			
e	Deciduous Dentition.	Permanent Dentition		
+	It is the primary dentition.	-→ It is the permanent dentition.		
-7	In deciduous dentition, molars dont erupt	-> In permanent dentition, molars erupt.		
3	Premolars, erupt at the place of deciduous polars	-> Molars erupt directly.		
	entral Incisors are. <u>light yellowish in</u> <u>colours and</u> <u>tran white in</u> <u>colour and are</u> . transtacent opeque.	-> (entral incisors are light yellowish in colour and are opaque.		



	MIDSR Page No. Date: / /
b	
	Arch traits are the difference between mandibular and maxillary capine
	Maxillary canine's Erown is larger
	mesiodistally
->	Mandibular canine's crown is smaller mesiodistally than maxillary canine.
-2	Maxillary canine has longer root
->	Mandibular canine has sherter root than maxillary.
	Cervical fossa of maxillary capine is more prominent than that of mandibular capine.
2)	Labblingually maxillary canine is bigger than mandibular canine.
->	Maxillary as well as mandibular capine has two fossa
	fossa of mandibular canine are more proponent than that of maxillary.

Page No. Date: 1 Cusp Elevation on the surface Coccusal surface of tooth is called as cusp ingulum : Elevation or protou brance on cirvical line surface the toot of is as cingulum known Fossa .- Deep pit 3 inside the surface OF tooth as fossa. SDOLUD ridge :--4 line joing tevo fossas known as ridge. 15 groove :- Deep fossa, inside the Prosts surface of tooth is know as groove. Pit Deep, occlused surface called a pit (mesial and marginal side 11.1 1 1 1 1 1 1 1 1 1.12 1.10



Page No.	Date:	1	1
		_	

Long Answer Questions. * Class Traits of Incisors Incisors have fossa where as anines don't by have two fossa's and premolars and molars have multiple fossas. canines don't Incisors don't have cusps , whereas Capines have cusp (one) and, premolars and molars have more than one cusps - Morphology of central Incisor. Labial Aspect. from this aspect, crown appears square or rectangular shaped Mesiodistal dimensions are wider than labiclingual dimensions from this aspect root appears tappering towards distal side.



(~~Q)	MIDSR	Page No.	Date:	1 1
2)	Lingual Aspect	uli q		
->	Crown appears wedge shaped	1	34	
	Roots appears tited towed-rds	s mesi	. له	
3)	Distal Aspect			
-9	Crown appears alittle bit . p	vin shay	oed .	
~	roots tappers	lehg ichg		-
4)	Mesial Aspect	T. I	X -	
->	Crown appears. Pin shaped.		il	j.e
-7	rout tappers			<u>A 8</u> 1
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