1. DENTAL ANATOMY, EMBRYOLOGY AND ORAL HISTOLOGY

OBJECTIVES: After a course on Dental Anatomy including Embryology and Oral Histology,

* The student is expected to appreciate the normal development, morphology, structure and functions of oral tissues and variations in different pathological/ non-pathological states.
* The student should understand the histological basis of various dental treatment procedures and physiologic ageing process in the dental tissues.
* The students must know the basic knowledge of various research methodologies.

SKILLS: The student should acquire basic skills in:

* Carving of crowns of permanent teeth in wax.
* Microscopic study of Oral tissues.
* Identification of Deciduous & Permanent teeth Age estimation by patterns of teeth eruption from plaster casts of different age groups.

2. ORAL PATHOLOGY & ORAL MICROBIOLOGY

OBJECTIVES: At the end of oral pathology and Oral Microbiology course, the student should be able to comprehend-

* The different types of pathological proceses that involves the oral cavity.
* The manifestation of common diseases, their diagnosis and correlation with clinical pathological processes.
* An understanding of the oral manifestations of systemic disease should help in correlating with the systemic physical signs and laboratory findings.
* The student should understand the underlying biological principals governing treatment of oral disease. The principles of certain basic aspects of Forensic Odontology.

SKILLS:

* Microscopic study of common lesions affecting oral tissues through microscopic slides & projection slides.
* Study of the disease process by surgical specimen study of teeth anomalies/ polymorphisms through tooth specimens & plaster casts. Microscopic study of plaque pathogens.
* Study of haematological preparations (blood films) of anemia’s & leukemia’s.
* Basic exercises in Forensic Odontology such as histological methods of age estimation and appearance of teeth in injuries.