

4B.4.2 SYLLABUS (Including Teaching Hours.)

MUST KNOW

- 1 Introduction to Pedodontics 01HR
2. Growth & Development : 02 HRS
Prenatal & Postnatal
Development arches of Cranium, face, jaws, teeth and supporting structures.
Chronology of dental development and development of occlusion.
3. Child Psychology : 07 HRS
Development & Classification of behavior, personality, intelligence in children, theories of child psychology management.
Behavior Management : Non- Pharmacological.
Child Abuse & Dental Neglect.
Conscious sedation, Deep Sedation & General anesthesia in pediatric Dentistry(Including Other Drugs, Synergic & Antagonistic Actions Of Various Drugs Used In children)
4. Dental Caries 10HRS
Historical background
Definition, Aetiology & Pathogenesis.
Caries pattern in primary, Young permanent and permanent teeth in children.
Rampant caries, early childhood caries and extensive caries.
Definition, aetiology, pathogenesis, Clinical features Complications Management.
Subjective & Objective methods of caries detections with emphasis on caries
Activity : Tests, Caries Prediction, caries susceptibility & their clinical Applications.
5. Case History :
Recording, Outline of Principles of examinations, diagnosis & treatment planning. 05 HRS
6. Pediatric Oral Medicine & clinical Pathology : 02 HRS
Recognition & Management of development dental anomalies, teething disorders, stomatological conditions, mucosal lesions, viral infections etc.
7. Preventive Pedodontics : 03 HRS
Concept , chair side preventive measures for dental diseases, high-risk caries including rampant & extensive caries- Recognition, Features & preventive Management, Pit Fissures Sealants, Oral Hygiene measures, correlation of brushing with dental caries and periodontal diseases
8. Microbiology & Immunology as related to oral Diseases in Children : 02 HRS
Basic concepts, Immune system in human body, Auto Immune diseases
9. Dental Material used in pediatric Dentistry. 05 HRS
Pediatric Operative Dentistry.
10. Gingival & Periodontal diseases in children : 02 HRS
Gingival & Periodontium in children .
Gingival & Periodontal diseases – Etiology. Pathogenesis & Management In Short

11. Pediatric Endodontics : 08 HRS
 Primary Dentition :- Diagnosis of Pulpal diseases and their management – Pulp capping, pulpotomy, pulpectomy, (Materials & Methods), Controversies & recent concepts.
 Young Permanent teeth and permanent teeth, pulp capping, Pulpotomy, Apexogenesis, Apexification, concepts, Techniques and materials used for different procedures.
 Prosthesis consideration in pediatric Dentistry. 02 HRS
12. Traumatic Injuries in Children : 09 HRS
 Classification & Importance
 Sequelae & reaction of teeth to trauma
 Management of trauma.
 Management of Traumatized teeth with latest concepts
14. Space Maintenance 07 HRS
 Oral Habits in Children :
 Definition, Etiology
 Classification.
 Factors to be considered before giving a space maintainer.
 Different space maintainers according to clinical situations.
 Clinical features of digit sucking, tongue thrusting, mouth breathing & various other secondary habits.
 Management of oral habits in children.
15. Fluorides : 07 HRS
 Historical background.
 Systemic & topical fluorides.
 Mechanism of action.
 Toxicity & Management.
 Defluoridation techniques
16. Management of handicapped child and management of patients with systemic condition. 08 HRS
 Definition, Etiology & Classification , Behavioral ,clinical features, & Management of
 Physically handicapping Conditions
 Mentally compromising Conditions

DESIRABLE TO KNOW

- History of Pedodontics & Pedodontics treatment triangle 01 HR
- Dimensional Changes in dental arches & □ Cephalometric evaluation of growth. 01 HR
- Stage of Psychological child development, fear, anxiety, apprehension and Pharmacological Methods of management. 01 HR
- Dietary Modifications & Diet Counseling 01 HR

Congenital Abnormalities in Children Definition, Classification, Clinical Features & management . Dental Emergencies in children and their Management	01 HR
Diet & Nutrition as related to dental caries & Diet Counseling.	01 HR
Histopathology, Pathogenesis, Immunology of dental caries, Periodontal diseases, Tumors, Oral Mucosal Lesions etc. 01HR	
Nanotechnology & Recent advances in dental materials.	01 HR
Genetics related to gingival & periodontal diseases.	01 HR
Recent Advances in Paediatric Endodontics	01 HR
Management of Jaw fracture in children	01 HR
Space Analysis & Cephalometrics.	01 HR
Genetic disorders	01 HR

4B.4.3EXAMINATION PATTERN

Name of Exercise	Time Allotted	Marks
Case history taking and radiograph	1 hour	90 marks