

Year:	Fourth Year
Subject Name:	Paediatric & Preventive Dentistry
Subject Code:	1DS1010307
Pre-requisite:	-None-

Total LECTURES (THEORY) Hours: 46 HOURS

Sl.No	Subjects	Hours
1	Child psychology Definition Importance of understanding child psychology in pedodontics. Theories Psychological development from birth through adolescence. Dental fear, anxiety and their management, types of cry. Application of psychology principles in dental management. Psychological disorders including anorexia, bulimia. Child abuse and neglect	4 hours
2	Behaviour management Definition Classification & types of behaviour Factors influencing child behaviour Non-pharmacological management of behaviour Pharmacological management of behaviour: Pharmacological principles in pediatric dentistry-drug dosage formulae Analgesics, antiinflammatory and antibiotics commonly prescribed for children Conscious sedation including nitrous oxide oxygen inhalation anaesthesia	5 hours
3	Fluorides Historical background Systemic fluorides-availability, agents, concentrations, advantages and disadvantages Topical fluorides-agents, composition, methods of application both for professional and home use, advantages and disadvantages Mechanism of action and its anti-cariogenic effect Fluoride toxicity and its management De-fluoridation techniques	4 hours

4	Pediatric endodontics Principles and diagnosis Classification of pulp pathology Management of pulpally involved primary, young permanent and permanent teeth including materials used and techniques followed Pulp capping Pulpotomy Pulpectomy Apexogenesis Apexification	4 hours
5	Traumatic injuries to teeth Definition Classification Etiology and incidence Management of trauma to primary teeth Sequelae and reaction following trauma to primary teeth Management of trauma to young permanent teeth Prevention of trauma: mouth protectors	5 hours
6	Preventive and interceptive orthodontics Definition Problems seen during primary and mixed dentition periods and their management Mixed dentition analysis Serial extraction Space management	4 hours
7	Oral habits in children Definition, classification and etiology of all habits Clinical features of deleterious oral habits including Nonnutritive sucking ,mouthbreathing ,nonfunctional grinding ,masochistic and occupational habits Management of oral habits in children	4 hours
8	Dental management of children with special needs Definition ,classification,etiology,clinical features, special considerations in the dental management of: Physically handicapping conditions Mentally handicapping conditions Medically compromising conditions Genetic disorder and important of genetic counselling	5 hours

9	Oral surgical procedures in children Indications and contra indications for extraction Minor surgical procedures in children Knowledge of local and general anaesthesia	2 hours
10	Preventive dentistry Definition, principles and scope Levels and types of prevention Preventive measures: Minimal intervention Pit and fissure sealants Preventive resin restoration (PRR , CARR) Newer agents available for caries prevention and re-mineralization Caries vaccine	3 hours
11	Nanodentistry –introduction, principles and technique- an outline	1 hour
12	Dental health education and school dental health programmes	1 hour
13	Importance of dental home	1 hour
14	Dental emergencies in children and their management	1 hour
15	Setting up of paediatric dental practice including ethics	1 hour
16	3D printing	1 hour

Clinical Quota for Final Year BDS

S.no	Procedures	Number
1.	Restorations	35
2.	Preventive measures	15
3.	Fluoride applications	5
4.	Extractions	20
5.	Case History Recording & Treatment Planning	5

EXAMINATION PATTERN

Subject code - 1DS1010307	Subject title - Pediatric and Preventive Dentistry
Pre requisite subject	None

Teaching scheme (hours per week)				Evaluation scheme (marks)						
				Theory				Practical		
lecture	tutorial	Practical	credit							
2	-	2	-	University assessment	Continuous assessment	Viva voce	Total marks	University assessment	Continuous assessment	Total marks
				70	10	20	100	90	10	100