

**LAHORE MEDICAL AND DENTAL COLLEGE**



**PEDIATRIC DENTISTRY**

**STUDY GUIDE FINAL YEAR BDS**

**2025**



### **COURSE DIRECTOR:**

**Dr. Moeen ud din (BDS MCPS )**  
**Head of department**

### **CONTRIBUTORS:** **PAEDODONTICS FACULTY**

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**Associate Professor**

**(BDS, MCPS )**

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**Demonstrator**

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# **I. INTRODUCTION:**

Pediatric dentistry is a specialized branch of dentistry that focuses on the oral health and dental care of children from infancy through adolescence. Pedodontics is the study, diagnosis and integrated management of diseases of the teeth and their supporting structures in children. This field not only involves providing dental treatment to children but also emphasizes preventive care and education to promote good oral hygiene habits from a young age.

In the study of pediatric dentistry, students will learn about the growth and development of dentition, common dental issues that affect children, techniques for managing young patients, and strategies for communicating effectively with children and their parents. Additionally, students will gain knowledge in performing dental procedures specifically tailored to children, such as fillings, sealants, and fluoride treatments.

Understanding the unique needs and concerns of pediatric patients is crucial in this specialty, as children may have fears or anxieties about visiting the dentist. Pediatric dentists are trained to create a comfortable and welcoming environment to help children feel at ease during their dental appointments.

Overall, pediatric dentistry plays a vital role in promoting the oral health of children and instilling lifelong habits that contribute to healthy smiles. It is an important and rewarding field that requires patience, compassion, and a genuine interest in working with young patients.

## **SCOPE AND SEQUENCE:**

3<sup>rd</sup> year BDS have their pre-clinical sessions in the department of Pediatric Dentistry once , every week, during their 2-monthly batch rotations in operative dentistry. Students will learn the basics of pediatric dentistry and would complete their required quota during this time .

During the 4<sup>th</sup> year of BDS, one lecture will be delivered weekly. Students will complete approximately 10 days of clinical duties in the department and will accomplish their clinical requirements. On Thursdays the students will have Pedodontics clinical sessions in the Paediatric Dentistry Department to perform their required quota.

## **II. STUDY GUIDE OBJECTIVES:**

To facilitate students of Third Year BDS & Final year BDS in managing their studies by prompt information and guidance pertaining to the various aspects of Pediatric Dentistry course.

### **III. COURSE DURATION, ToS, EXAMINATION RULES AND REGULATIONS**

#### **THIRD YEAR BDS**

- 34 weeks per academic year tentatively
- Division of class into five batches for clinical rotation in Paediatric Dentistry of approx. 8 days per batch tentatively
- One pre-clinical Pediatric dentistry session per week for each batch during Operative Dentistry rotation.

#### **FINAL YEAR BDS**

- 34 weeks per academic year tentatively
- One lecture of Paediatric Dentistry spanning 45 minutes, per week for 36 weeks
- Division of class into four batches for clinical rotation in Paediatric Dentistry of approx. 10 days per batch tentatively.
- One practical class of Paediatric Dentistry per week for each batch during Operative Dentistry rotation.
- One and a half hour tutorials/interactive group discussion classes each day during the Clinical rotation

Lectures		Credit hours/Lectures
Paeds	Dr Moeen	36/36 lectures
		Total: 36 hrs

Assessment	Credit hours
Class Test	02

Third Year BDS			<u>Batch A</u>	<u>Batch B</u>	<u>Batch C</u>	<u>Batch D</u>	<u>Batch E</u>	<u>Credit hours</u>
Pre - Clinical Rotation: Demonstration and clinical work 11:35am-3:00pm	Subject	Faculty	No. (days)	No.(days)	No. (days)	No. (days)	No.(days)	
	Paeds	Dr. Moeen Dr. Maham	8	8	8	8	8	
								27.5 hrs

Final year BDS			<u>Rotation 1</u>	<u>Rotation 2</u>	<u>Rotation 3</u>	<u>Rotation 4</u>	<u>Credit hours</u>
Clinical Rotation: Demonstration and clinical work 10:30-12:30pm  Tutorials: 12:30-2:00pm	Subject	Faculty	No. (days)	No. (days)	No. (days)	No. (days)	
	Paeds	Dr Moeen Dr. Maham	9	9	9	9	38.25

Total hours of Pediatric Dentistry(Preclinical &Clinical)	104 hours
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**Table Of Specifications For Operative Dentistry Theory & Practical**  
**Including Paediatric Dentistry**  
**BDS Final Professional Examination**

Theory and Practical Examination carries 200 marks.

The examination in the subject of Operative Dentistry shall be as follows:-

- I.** One written paper of 90 marks in Operative Dentistry having two parts:
  - i. Part I shall have forty five Multiple Choice Questions (MCQs) of 45 marks and the time allotted shall be forty five minutes.
  - ii. Paper II shall have fifteen Short Essay Questions (SEQs) of 45 marks and the time allotted shall be two hours and fifteen minutes.
- II.** Oral and Practical examination shall have 90 marks.
- III.** The continuous internal assessment shall carry 20 marks i.e 10% of the total allocated marks for the subject. The score will be equally distributed to the theory and practical examinations.

Subject	Theory		Practical		Total
Operative Dentistry	Part I MCQ	45 Marks	Oral and Practical	90 Marks	200 Marks
	Part II SEQ	45 Marks	Internal assessment	10 Marks	
	Internal assessment	10 Marks			
		<b>100</b>		<b>100</b>	

**Table Of Specifications For Operative Dentistry including Paediatric Dentistry Theory**  
**Final Professional Examination BDS**

Subject	MCQs	SEQs
Restorative	18	8
Endodontics	12	2
Crown & bridge	11	3
Paedodontics	4	2

# **I. CURRICULUM**

## **CURRICULUM OF PAEDIATRIC DENTISTRY**

### **LEARNING OBJECTIVES:**

The learner should be able to:

1. Assess and formulate a treatment plan
2. Able to modify child's behavior using different behaviour modification techniques.
3. Carry out Caries risk Assessment
4. Usage of GIC as a restorative material
5. Prepare Stainless Steel crown restorations
6. Learn steps involved in pulpotomy & pulpectomy.
7. Demonstrate insertion of Stainless Steel crown restorations
8. Diagnose and manage developmental defects in primary and permanent teeth
9. Application of Fluoride Varnish.
10. Placement of Pit & Fissure Sealants.
11. Learn to manage trauma to primary and young permanent teeth.



## INTRODUCTION TO PAEDODONTICS

Taught in 4<sup>th</sup> year

Course director: Dr. Moeen ud Din Ahmad

Sr. No.	Learning Outcomes (LO)	Facilitator
1.	Introduction to Rationale, Objective and future of Paedodontics. Define and outline objectives of paedodontics	Dr. Moeen
2.	History, examination, risk assessment, and treatment planning Assessment of patients Formulate a diagnosis Assess the prognosis Outline treatment plan for patients	Dr. Moeen
<b><u>At the end of this course, the student will be able to:</u></b>		
1.	Evaluate patients, and formulate treatment plans	Dr. Moeen

## MANAGEMENT OF CHILD BEHAVIOUR, PAIN AND ANXIETY

Taught in 4<sup>th</sup> year BDS

Course director: : Dr. Moeen ud Din Ahmad

Sr. No.	Learning Outcomes (LO)	Facilitator
1.	Discuss behavior management. Outline pharmacological and non-pharmacological management of child behavior.	Dr. Maham
2.	Explain mental health evaluation and care	Dr. Maham
3.	Discuss and explain the role and usage of local anaesthesia, sedation and general anaesthesia	Dr. Maham

## DENTAL CARIES

Taught in 4<sup>th</sup> year Bds

Course director: Dr. Moeen ud Din Ahmad

Sr. No.	Learning Outcomes (LO)	Facilitator
1.	Describe pathophysiology of dental caries, diagnosis, preventive measures. Demonstrate instructions for parents counseling, importance of first permanent molars	Dr. Maham
2.	Discuss dental caries in the preschool child. Recognize role of fluoride, chlorhexidine gels, fissure sealants, tooth brushing, role of diet. List of measures for management of child behavior.	Dr. Maham
3.	Discuss treatment of dental caries in the primary dentition Identify role of pit and fissure sealants List of indications of stainless-steel crown Outline indications of direct and indirect pulp capping	Dr. Maham
4.	Discuss treatment of dental caries in young permanent dentition Identify role of pit and fissure sealants Recognition of MIH cases and management. Discuss and describe treatment options for anterior, occlusal, approximal and extensive/deep caries. Treatment options for hypomineralized, hypomature or hypoplastic first permanent molars Management options of rampant caries	Dr. Maham

## RESTORATIVE MATERIALS IN PAEDODONTICS, MODIFICATION OF RESTORATIVE CAVITY IN CHILDREN & PIT ANDFISSURE SEALANTS, ROLE OF FLUORIDE IN TOOTH DEVELOPMENT

Taught in 4<sup>th</sup> year BDS

Course director: : Dr. Moeen ud Din Ahmad

Sr. No.	Learning Outcomes (LO)	Facilitator
1.	Discuss and identify the indications and uses of restorative materials-Amalgam, Composite resin, GIC, Stainless steel crowns. Practice these materials in clinics	Dr. Moeen
2.	Describe modification of restorative cavity in children Define MID, and demonstrate new techniques for tooth preparation	Dr. Moeen
3.	Discuss pit and fissure sealants, role of fluoride in caries development, indications of pit and fissure sealants, mechanism of action of fluoride and dental fluorosis	Dr. Maham
<b><u>At the end of this course, the student will be able to:</u></b>		
1.	Practice the restorative materials in clinics-amalgam, composite, GIC and stainless-steel crowns	Dr. Moeen

## STAINLESS STEEL CROWNS

Taught in 4<sup>th</sup> year BDS

Course director: : Dr. Moeen ud Din Ahmad

Sr. No.	Learning Outcomes (LO)	Facilitator
1.	Understand the advantages and disadvantages of stainless steel crowns in primary teeth	Dr. Moeen
2.	Identify contraindications for stainless steel crowns	Dr. Moeen
3.	Effectively identify clinical indications for stainless steel crowns in the primary dentition	Dr. Moeen
4.	Appreciate the different techniques and clinical considerations for the safe placement of stainless steel crown	Dr. Moeen
5.	Appreciate the current evidence supporting stainless steel crowns	Dr. Moeen
<b><u>At the end of this course, the student will be able to:</u></b>		
1.	Practice the preparation of Stainless Steel crowns on Typodonts and be able to do the proper case selection based on indications and contraindications of Stainless steel crowns in Pediatric Dentistry .	Dr. Moeen

## ENDODONTICS IN CHILDREN, MANAGEMENT OF IMMATURE ROOT APEX & TRAUMATIC INJURIES TO TEETH

Taught in 4<sup>th</sup> year BDS

Course director: Dr. Moeen ud Din Ahmad

Sr. No.	Learning Outcomes (LO)	Facilitator
1.	Define pulpotomy, pulpectomy Describe the procedure List of indications and contraindications of pulpotomy and pulpectomy	Dr. Maham
2.	Define apexification, apexogenesis Describe the procedure Describe MTA and its properties	Dr. Moeen
3.	Discuss the endodontic aspects of traumatic injuries, classification of tooth fractures, diagnosis, endodontic management of tooth fractures, longitudinal tooth fractures	Dr. Maham
<b><u>At the end of this course, the student will be able to:</u></b>		
1.	Assist the procedure of pulpotomy in the clinics	Dr. Maham

**ANOMALIES OF TOOTH FORMATION AND ERUPTION, HEREDITARY DISORDERS, MEDICAL CONDITIONS SPECIFIC TO CHILDREN, MANAGEMENT OF HANDICAPPED CHILDREN**

**Taught in 4<sup>th</sup> year BDS**

**Course director: : Dr. Moeen ud Din Ahmad**

<b>Sr. No.</b>	<b>Learning Outcomes (LO)</b>	<b>Facilitator</b>
<b>1.</b>	Identification of missing teeth, extra teeth, abnormality of tooth size, tooth form, root form, tooth structure. Describe disturbance of eruption and exfoliation. Describe dental effects of prematurity and low weight birth	Dr. Moeen
<b>2.</b>	Discuss hereditary disorders and medical conditions specific to the children Define syndrome Recognize different syndromes with specific features	Dr. Moeen
	List of syndromes and their dental management	Dr. Moeen
<b>3.</b>	Identify medical conditions in children Names of diseases and their management	Dr. Moeen
<b>4.</b>	Outline the management of handicapped children, techniques of oral care and home care remedies	Dr. Moeen

## **II. ACADEMIC CALENDERS**

### **I. 3<sup>rd</sup> YEAR BDS**

### **II. Final Year BDS**

**FINAL YEAR BDS**  
**LECTURES & TEST**  
**SCHEDULE**

Sr.no.	Date	Day	Time	Topic	Faculty
1.	8-5-25	Thursday	9:45am – 10:30am	Introduction , Rationale, Objective and future of Paediatric Dentistry	Dr.Moeen
2.	15-5-25	Thursday	9:45am – 10:30am	Prenatal Counselling	Dr. Maham
3.	22-5-25	Thursday	9:45am – 10:30am	Management of Child Behaviour	Dr. Maham
4.	29-5-25	Thursday	9:45am – 10:30am	Management of Anxiety and pain	Dr. Maham
5.	5-6-25	Thursday	9:45am – 10:30am	<b>Eid Holidays &amp; Summer Break</b>	Dr. Maham
6.	12-6-25	Thursday	9:45am – 10:30am	Management of Anxiety and pain	Dr.Moeen
7.	19-6-25	Thursday	9:45am – 10:30am	Radiographic Interpretation , Diagnosis & Treatment Planning	
8.		Thursday	9:45am – 10:30am	Radiographic Interpretation , Diagnosis & Treatment Planning	Dr.Moeen
9.	3-7-25	Thursday	9:45am – 10:30am	Restorative Dentistry for Primary Dentition	Dr.Moeen
	10-7-25	Thursday	9:45am – 10:30am	Modification of Cavity Preparation	Dr.Moeen
10.	17-7-25	Thursday	9:45am – 10:30am	Restorative Materials in Paediatrics	Dr.Moeen
11.	24-7-25	Monday	9:00am - 10:00 am	Dental caries	Dr. Moeen
12.	31-7-25	Thursday	9:45am – 10:30am	<b>Class Test 1</b>	Dr.Maham
13.	4-8-25	Thursday	9:45am – 10:30am	Dental Caries	Dr.Maham
	21-8-25	Thursday	9:45am – 10:30am	Pit & Fissure Sealants	Dr. Maham
14.	28-8-25	Thursday	9:45am – 10:30am	Flouride and its role into development, Dietry Management and Dietry Counseling	Dr. Maham
15.	4-9-25	Thursday	9:45am – 10:30am	Pulp capping , Pulp therapy for Primary teeth (Pulpotomy , Pulectomy)	Dr. Maham
16.	11-9-25	Thursday	9:45am – 10:30am	Class Test 1 Discussion	Dr.Moeen
17.	18-9-25	Thursday	9:45am – 10:30am	Pulp capping , Pulp therapy for Primary teeth (Pulpotomy , Pulectomy)	Dr.Moeen
18.	25-9-25	Thursday	9:45am – 10:30am	Pulp capping , Pulp therapy for Primary teeth (Pulpotomy , Pulectomy)	Dr.Moeen
19.	2-10-25	Thursday	9:45am – 10:30am	Endodontic management of Immature Root Apex Apexification & Apexogenesis	Dr.Moeen
20.	9-10-25	Thursday	9:45am – 10:30am	Endodontic management of Immature Root Apex Apexification & Apexogenesis	Dr.Moeen
21.	16-10-25	Thursday	9:45am – 10:30am	Stainless Steel Crown	Dr. Moeen

22.	23-10-25	Thursday	9:45am – 10:30am	Stainless Steel Crown	Dr. Moeen
23.	30-10-25	Thursday	9:45am – 10:30am	Trauma and Injury to Primary Teeth	Dr. Maham
24.	6-10-25	Thursday	9:45am – 10:30am	Trauma and Injury to Primary Teeth	Dr. Maham
25.	13-11-25	Thursday	9:45am – 10:30am	Hereditary Disorders & Development Anomalies	Dr. Moeen
	20-11-25	Monday	9:00am - 10:00 am	<b>Class Test 2</b>	Dr. Moeen
	27-11-25	Thursday	9:45am – 10:30am	Hereditary Disorders & Development Anomalies	Dr. Moeen
26.	4-12-25	Thursday	9:45am – 10:30am	Class Test 2 Discussion	Dr. Moeen
27.	11-12-25	Thursday	9:45am – 10:30am	Long term dental care in Children	Dr. Maham
28.	18-12-25	Thursday	9:45am – 10:30am	Management of complications in children	Dr. Maham
29.	25-12-25	Thursday	9:45am – 10:30am	Medical conditions specific to children	Dr. Maham
30.	1-1-26	Thursday	9:45am – 10:30am	Childhood impairment and disability	Dr. Maham
31.	8-1-26	Thursday	9:45am – 10:30am	Revision	Dr. Moeen
32.	15-1-26	Thursday	9:45am – 10:30am	Revision	Dr. Moeen
33.	22-1-26	Thursday	9:45am – 10:30am	Remedial Class	Dr. Moeen
34.	29-1-26	Thursday	9:45am – 10:30am	Remedial Class	Dr. Moeen

### **III. CLINICAL LEARNING OBJECTIVES AND CLINICAL QUOTA**



## **CLINICAL DUTIES AND REQUIREMENTS**

- Each student will spend a total of 8 days approximately in 3<sup>rd</sup> year BDS in the Department of Paediatric Dentistry
- Each student will spend a total of 9 days approximately in Final year BDS in the Department of Paediatric Dentistry
- Topics covered during these rotations cumulatively will be

### **Exercises**

<b>S. No</b>	<b>Clinical Quota</b>	<b>No. of Practices</b>
1	<b>Paedodontics</b>	<ul style="list-style-type: none"><li>• History taking exercise</li><li>• Behaviour Modification Exercise</li><li>• GIC Fillings</li><li>• Pulpotomy &amp; Pulpectomy Observation</li><li>• Stainless Steel Crown prep</li><li>• Fluoride Varnish Application</li><li>• Pit &amp; Fissure Sealants Application</li><li>• Management of Open Apex ( Apexogenesis &amp; Apexification)</li></ul>

Record of this clinical work will be maintained in the **Clinical Quota Book**.

S r #	LEARNING OBJECTIVES	DAYS	EVALUATE		PERFORM INDEPENDANTLY	OBSERVATION	QUOTA
	Topic		Faculty	Teaching Assistant			
	History taking and treatment planning						
1.	Clinical Examination	2	Dr. Moeen/ Dr. Maham	Dr. Shafaq/ Dr. Ushna	✓		
2.	Diagnosis & treatment planning for dental carious lesions; Radiology		Dr. Moeen/ Dr. Maham	Dr. Shafaq/ Dr. Ushna	✓		
3.	Behaviour management	2	Dr. Moeen/ Dr. Maham	Dr. Shafaq/ Dr. Ushna	✓		
	Pulp Protection/Preventive procedures						
4.	Pit and fissure sealants & Fluoride application	3	Dr. Moeen/ Dr. Maham	Dr. Shafaq/ Dr. Ushna	✓		3 Exercises
5.	GIC Fillings	2	Dr. Moeen/ Dr. Maham	Dr. Shafaq/ Dr. Ushna	✓		2 Exercises
6.	Pulpotomy/ Pulpectomy Technique	1	Dr. Moeen/ Dr. Maham	Dr. Shafaq/ Dr. Ushna		✓	2 Exercises
7.	Clinical Test	1	Dr. Moeen/ Dr. Maham	Dr. Shafaq/ Dr. Ushna			

**THIRD YEAR**

Sr #	LEARNING OBJECTIVES	DAYS	EVALUATE		PERFORM INDEPENDENTLY	OBSERVATION	QUOTA
	<b>Topic</b>		<b>Faculty</b>	<b>Teaching Assistant</b>			
	<b>History taking and treatment planning</b>						
1.	Clinical Examination	<b>1</b>	Dr. Moeen/ Dr. Maham	Dr. Shafaq/ Dr. Ushna	✓		
2.	Diagnosis & treatment planning for dental carious lesions; Radiology	<b>1</b>	Dr. Moeen/ Dr. Maham	Dr. Shafaq/ Dr. Ushna	✓		
3.	Behaviour management	<b>1</b>	Dr. Moeen/ Dr. Maham	Dr. Shafaq/ Dr. Ushna	✓		
	<b>Pulp Protection/Preventive procedures</b>						
4.	Fluoride application & Pit and fissure sealants &	<b>1</b>	Dr. Moeen/ Dr. Maham	Dr. Shafaq/ Dr. Ushna	✓		3 Exercises
5.	GIC Fillings	<b>2</b>	Dr. Moeen/ Dr. Maham	Dr. Shafaq/ Dr. Ushna	✓		2 Exercises
6.	Pulpotomy/ Pulpectomy Technique	<b>1</b>	Dr. Moeen/ Dr. Maham	Dr. Shafaq/ Dr. Ushna		✓	
7.	Clinical Test	<b>1</b>	Dr. Moeen/ Dr. Maham	Dr. Shafaq/ Dr. Ushna			

**FINAL YEAR**

Sr #	LEARNING OBJECTIVES	DAYS	EVALUATE		PERFORM INDEPENDANT DENTLY	OBSERVATION	QUOTA
	<b>History taking and treatment planning</b>		<b>Faculty</b>	<b>Teaching assistant</b>			
1.	Clinical Examination Diagnosis & treatment planning for dental carious lesions; Radiology	<b>1</b>	Dr. Moeen/ Dr. Maham	Dr. Shafaq/ Dr. Ushna	✓		
2.	Behaviour management & Patient Counselling	<b>1</b>	Dr. Moeen/ Dr. Maham	Dr. Shafaq/ Dr. Ushna	✓		
	<b>Instruments and Materials</b>		Dr. Moeen/ Dr. Maham	Dr. Shafaq/ Dr. Ushna			
3.	Stainless steel crown kits parts & use  Stainless steel crown preparation (typodont)	<b>1</b>	Dr. Moeen/ Dr. Maham	Dr. Shafaq/ Dr. Ushna	✓		1 Exercise
	<b>Pulp Protection/Preventive procedures</b>						
4	GIC Fillings	<b>2</b>	Dr. Moeen/ Dr. Maham	Dr. Shafaq/ Dr. Ushna	✓		5 Exercises
5.	Pulpotomy/ Pulpectomy	<b>2</b>	Dr. Moeen/ Dr. Maham	Dr. Shafaq/ Dr. Ushna	✓		2 Exercises
6.	Pit and fissure sealants & Fluoride application	<b>1</b>	Dr. Moeen/ Dr. Maham	Dr. Shafaq/ Dr. Ushna	✓		2 Exercises
	<b>Management of Immature Apex</b>						
7.	Apexification & Apexogenesis	<b>1</b>	Dr. Moeen/ Dr. Maham	Dr. Shafaq/ Dr. Ushna		✓	
8.	Clinical Test	<b>1</b>	Dr. Moeen/ Dr. Maham	Dr. Shafaq/ Dr. Ushna			

#### **IV. DEPARTMENTAL TIME TABLE**

## Departmental Time Table

**Lecture Final Year:**

**Every Thursday 9:45am – 10:30am**

**Cinical:**

**3<sup>rd</sup> Year BDS :**

**Every Tuesday 11:35am – 3:00pm**

**Final Year BDS :**

**Every Thursday 10:45am– 3:00pm**

Day		Outdoor	Indoor	
Monday		Dr. Ushna	Dr. Shafaq	Small Group Discussion 2:00pm – 2:30 pm Dr.Moeen/Dr.Maham
Tuesday		Dr.Maham	Dr. Ushna	Small Group Discussion 2:00pm – 2:30 pm
		3rd Year Clinical 11:35am-3:00pm (Faculty : Dr. Moeen Dr. Maham Co- Teachers: Dr. Shafaq, Dr. Ushna)		
Wednesday	H.O's Seminar 8 :30 am – 9:00am (Dr. Moeen)	Dr. Shafaq	Dr. Maham	Small Group Discussion 2:00pm – 2:30 pm
Thursday	Final Year BDS Lecture 9:45am – 10:30am	Dr. Ushna	Dr. Shafaq	Small Group Discussion 2:00pm – 2:30 pm
		Final Year Clinical 11:00am-3:00pm (Faculty : Dr. Moeen Dr. Maham Co- Teachers: Dr. Shafaq, Dr. Ushna)		
Friday		Dr. Maham	Dr. Ushna	

## Clinical Time Table Third Year

	Topic	Day	Time	
1.	History Taking , Clinical Examination & Diagnosis	Tuesday	11:35am – 3:00pm	Book Reading & Clinical Practice
2.	Radiographic Interpretation & Treatment Planning	Tuesday	11:35am – 3:00pm	Book Reading & Clinical Practice
3.	Behaviour Management	Tuesday	11:35am – 3:00pm	Book Reading & Clinical Practice
4.	Fluoride application & Pit and fissure sealants	Tuesday	11:35am – 3:00pm	Book Reading & Clinical Practice
5.	GIC fillings	Tuesday	11:35am – 3:00pm 12:30 – 3:00 pm	Book Reading & Clinical Practice
6.	GIC fillings	Tuesday	11:35am – 3:00pm	Clinical Practice
7.	Pulpotomy & Pulpectomy Clinical Observation	Tuesday	11:35am – 3:00pm	Book Reading & Clinical Practice
8.	<b>Clinical Test</b>	Tuesday	11:35am – 3:00pm	

## Clinical Time Table Final Year

	Topic	Day	Time	Group A	Group B
1.	History Taking , Clinical Examination & Diagnosis (Dental Caries)	Thursday	10:45-12:30 am	Book Reading	Practical Demonstration
			12:30 – 3:00 pm	Practical Demonstration	Book Reading
2.	Radiographic Interpretation&Treatment Planning (Dental Caries)	Thursday	10:45-12:30 am	Book Reading	Practical Demonstration
			12:30 – 3:00 pm	Practical Demonstration	Book Reading
3.	Behaviour Management & GIC Restoration	Thursday	10:45-12:30 am	Book Reading	Practical Demonstration
			12:30 – 3:00 pm	Practical Demonstration	Book Reading
4.	Behaviour Management & GIC Restoration	Thursday	10:45-12:30 am	Book Reading	Practical Demonstration
			12:30 – 3:00 pm	Practical Demonstration	Book Reading
5.	Stainless Steel Crowns Kit Identification, uses Hands –On exercise	Thursday	10:45-12:30 am	Book Reading	Practical Demonstration
			12:30 – 3:00 pm	Practical Demonstration	Book Reading
6.	Pulpotomy Clinical Observation	Thursday	10:45-12:30 am	Book Reading	Practical Demonstration
			12:30 – 3:00 pm	Practical Demonstration	Book Reading
7.	Pulpectomy Clinical Observation	Thursday	10:45-12:30 am	Book Reading	Practical Demonstration
			12:30 – 3:00 pm	Practical Demonstration	Book Reading
8.	Fluoride Application Pit & Fissure Sealants Clinical Observation	Thursday	10:45-12:30 am	Book Reading	Practical Demonstration
			12:30 – 3:00 pm	Practical Demonstration	Book Reading
9.	Management of Open Apex ( Apexogenesis&Apexification)	Thursday	10:45-12:30 am	Book Reading	Practical Demonstration
			12:30 – 3:00 pm	Practical Demonstration	Book Reading
10.	<b>Clinical Test</b>	Thursday	10:45-12:30 am	OSCE & VIVA	
			12:30 – 3:00 pm		



## **V. TEACHING AND LEARNING METHODOLOGIES**

### **a. Large group teaching strategies:**

- Lectures
- Interactive sessions

### **b. Small group teaching strategies:**

- Employed during practicals and tutorials
- Interactive sessions
- Literature reading
- Video aids
- Small group discussions (SGDs)
- Viva voce
- Clinical demonstrations and practicals

## **VI. LEARNING RESOURCES**

### **Books:**

1. Paediatric Dentistry by Richard R. Welbury
2. Pediatric Dentistry- Infancy to Adolescent by Pinkham, Casamassimo
3. McDonald and Avery's Dentistry for the Child and Adolescent
4. Handbook of Pediatric Dentistry by Angus C Cameron, Richard P Widmer

### **Online Resources:**

1. [Stainless Steel Crowns](#)
2. [Pulpotomy](#)
3. [Pulpectomy](#)
4. [Fluoride Application](#)
5. [Pit & Fissure Sealants](#)
6. [Apexification & Apexogenesis](#)

## **VII. ASSESSMENT FORMATS**

## **X. ASSESSMENT FORMATS**

One class test is conducted every 3 months. Paediatric dentistry topics included in each test are notified and resources are identified.

### **a. Written tests**

Written class tests include MCQs (one best type) and SEQs. University recommendations for marks distribution are strictly followed. Summative and formative assessment will be done.

### **b. Clinical Test**

It is held for each student during rotation in the Paediatric Dentistry Department during 3rd year and 4<sup>th</sup> year BDS duties. Every clinical test will be followed by formative/ feedback assessment session. Every student will perform stainless steel crown preparation, and will appear in chair side viva and OSCE. Grading will be based on viva/oral examination and practical performance in the test.

Results with feedback will be posted immediately after the clinical test.

### **c. Oral examination**

In order to prepare the students for oral component of university examination, viva voce examinations (by senior faculty members) are also conducted during the session.

### **d. Send up examination**

Send up is a comprehensive examination including whole Operative dentistry course including Paediatric Dentistry, that is conducted at the end of academic session and final university examination pattern is followed in every respect (no. of questions, ToS, marks distribution, total time allowed etc.).

### **e. Internal Assessment**

Will be based upon written test, clinical tests, presentations, and hands on exercises & assignments and no of credits.

## **INSTRUCITIONS**

### **“ALL STUDENTS MUST FOLLOW THE STANDARD PROTOCOL REGARDING CROSS INFECTION CONTROL INTHE CLINICS”**

- Students should wear lab coats with neat dress.
- Students should follow the instructions from the teaching faculty.
- Students should report to the lab/clinics as per the scheduled time and should attend only in theirrespective groups.
- Students should keep their working table clean and do not damage any parts of the table. If anydamage occurs, the particular student is responsible for the replacement of the damaged parts.
- Student should always maintain silence in the lab/clinics.
- Student should not leave any of their belonging after their session and if anything is lost, the college and the staff is not responsible.
- Attendance is compulsory. If anybody has shortage of attendance, appropriate action will be taken according to the college rules and regulations.
- Demonstrations will not be repeated for absent student regardless of reason of absence

## **VIII. ROBUST FEEDBACK SYSTEMS**

### **a. Feedback on attendance**

Attendance report is forwarded to students and parents on weekly basis.

### **b. Feedback on academic performance**

Academic performance report is also regularly forwarded to students and parents. Moreover, individual students are given feedback on their academic performance during tutorials. MCQ and SEQ papers are also discussed with students in small groups.

### **c. Parents of weak students are regularly contacted (PTM sessions)**

## **IX. REMEDIAL CLASSES**

Remedial classes will be carried out as for students who:

1. Have poor attendance less than 75%
2. Less than 50% in test performance

They will be scheduled every Wednesday from 1:30-2:30 pm.