

STUDY GUIDE INTEGRATED 2026
2ND YEAR BDS
BLOCK V



LAHORE
MEDICAL & DENTAL
COLLEGE

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SCIENCE OF DENTAL MATERIALS		
CODE	SPECIFIC LEARNING OUTCOMES	TOPIC
DMPD2-DM-001	Outline the essential requirements of direct filling restorative materials.	Fundamental Requirements of Direct Restorative Materials Mc Cabe edition 23-24 (Pg no. 178-180)
DMPD2-DM-002	Describe and relate the function of each component of dental amalgam alloy to its physical properties.	Dental Amalgam – Composition Phillips 12 th edition (Pg no. 340 – 361) Mc Cabe (Pg no. 181-194)
	Explain the role of the mercury–alloy ratio and its effect on the setting reaction and long-term performance of amalgam restorations.	
	Correlate the manipulation parameters of amalgam with the mechanical and physical properties of the final restoration.	
	Evaluate the evidence on amalgam toxicity and justify its clinical safety in comparison with other environmental and dietary sources of mercury exposure.	
	Explain mercury hygiene guidelines and describe the protocols for safe amalgam waste disposal.	
DMPD2-DM-003	Define the hybrid layer. Explain how resin infiltrates and demineralizes dentin to create the “interdiffusion zone”.	Dentin bonding agents Chapter 12 Philips Science of Dental Materials (Chapter 7: Pg 117-148)
	Explain why bonding to wet, organic dentin is harder than bonding to dry, inorganic enamel.	
	Describe how this cutting debris is either removed or modified by different bonding systems.	
	Differentiate the specific roles of the Etchant(acid), Primer(monomer) and Adhesive (resin).	
	Categorize agents by generation (1st - 8th) and by strategy (Etch and Rinse vs. Self-Etch)	
DMPD2-DM-004	Describe the composition. Detail the roles of the organic matrix (Bis-GMA), inorganic fillers and the silane coupling agent in the composition structure	Composites Chapter 13 Philips science of dental Materials(chapter 13 pg 293-322)
	Categorize materials based on filler particle size(Macro, Micro, Hybrid, Nano, Bulkfill) and explain how this determines clinical use.	

	Explain the polymerization process. Describe the chemical stages of light-activation and the function of the photo-initiator Camphorquinone.	
	Discuss polymerization shrinkage. Explain the mechanism of “setting stress” and how it leads to marginal microleakage and post-operative sensitivity.	
	Analyze the C-Factor(configuration factor). Describe the relationship between bonded and unbonded tooth surfaces and how it dictates incremental layering.	
	Differentiate material properties. Compare the viscosity, flow and mechanical strength of Flowable vs. Packable composites.	
	Explain the role of Coupling Agent. Describe how Silane creates a chemical bond between the filler particles and the resin matrix to ensure structural integrity.	
	Outline finishing and polishing protocol. Describe the sequence of using abrasive instruments to achieve a surface that resists plaque accumulation.	
DMPD 2-DM- 005	Classify dental cements according to composition and clinical use.	Dental Cements
	Differentiate between temporary and permanent cements based on composition, strength, and clinical application.	
	Explain the manipulation, setting characteristics, and clinical applications of major dental cements including zinc phosphate, GIC, calcium hydroxide, zinc polycarboxylate and ZOE.	
	Describe the chemical composition and key properties of Glass Ionomer Cements GIC.	
	Correlate the constituents of GIC with its physical and biological properties.	

DMPD 2-DM- 006	Explain the setting reaction, fluoride release ion exchange and environmental interaction mechanisms of GIC.	Glass Ionomer Cements Chapter 12 Philips Science of Dental Materials (Chapter 14: Pg 345- 350)
	Explain the rationale behind the development of resin-modified glass ionomers and describe their advantages over conventional glass ionomer cements.	
	Explain how modifications in GIC composition influence material properties and clinical performance.	
	Describe the composition, properties and clinical indications of metal-reinforced glass ionomers (cermet's).	

PRACTICAL / LAB WORK		
CODE	SPECIFIC LEARNING OUTCOMES	TOPIC
DMPD2-DM-007	Manipulate GIC as luting/lining or base consistency.	Manipulation techniques for Dental Cements
	Mix Zinc phosphate dental cement as luting or base consistency.	
	Manipulate Zinc Oxide Eugenol dental cement	
	Mix Calcium hydroxide (two paste) dental cement as pulp capping agent	
DMPD2-DM-008	Perform trituration with correct mercury-alloy ratio. Also demonstrate condensation, burnishing, finishing and carving.	Dental amalgam

COMMUNITY DENTISTRY				
CODE	SPECIFIC LEARNING OUTCOMES	TOPIC	Book	Page
CDPH2 -CD- 001	Define oral health promotion and outline its key principles	Oral health promotion	Fundamentals of Community & Preventive Dentistry	135
	Apply the principles of health promotion and disease prevention to design oral health strategies.		Fundamentals of Community & Preventive Dentistry	135
	Describe the five areas for action in the Ottawa Charter and illustrate each with oral health examples.		Fundamentals of Community & Preventive Dentistry	188
	List potential partners and community settings for oral health promotion activities		Fundamentals of Community & Preventive Dentistry	135
CDPH2 -CD- 002	Define and classify dental auxiliaries, and describe their roles in oral health delivery systems	Dental Auxiliaries	Fundamentals of Community & Preventive Dentistry	125
135CD PH2- CD-003	Discuss the Primary Health Care (PHC) approach and explain the principles of the Alma-Ata Declaration.	Introduction to the health care system	Fundamentals of Community & Preventive Dentistry	15
	Outline factors influencing the development and evaluation of healthcare systems.		Fundamentals of Community & Preventive Dentistry	309
	Describe the different components of a healthcare system		Fundamentals of Community & Preventive Dentistry	309

	Outline the criteria for evaluating healthcare systems		Fundamentals of Community & Preventive Dentistry	313
CDPH2 -CD- 004	Define quality in healthcare and explain the quality assurance/audit cycle.	Quality assurance cycle	Fundamentals of Community & Preventive Dentistry	313
	Discuss the models of access to healthcare and apply the concept practically in a dental setting.		Fundamentals of Community & Preventive Dentistry	313
CDPH2 -CD- 005	Define planning and explain the steps of the rational planning model for dental services.	Planning dental services	Fundamentals of Community & Preventive Dentistry	313
	Describe evaluation and its types, and identify the range of information needed for dental service planning.		Fundamentals of Community & Preventive Dentistry	333
	Define concepts of need		Fundamentals of Community & Preventive Dentistry	323

CODE	SPECIFIC LEARNING OUTCOMES	TOPIC		
	Outline the stages necessary in planning strategy.			321
CDPH2-CD-006	Explain the basic principles of health economics and outline payment and remuneration systems in oral health care.	Financing oral health care	Fundamentals of Community & Preventive Dentistry	333
	Explain the Health goals of a program		Fundamentals of Community & Preventive Dentistry	333
CDPH2-CD-007	Describe common problems with healthcare delivery	Problem with health care services and health care system	Fundamentals of Community & Preventive Dentistry	341
	Discuss different barriers to dental care reception		Fundamentals of Community & Preventive Dentistry	341
	Define the terms 'access to care /and barriers to care		Fundamentals of Community & Preventive Dentistry	341
	Outline how the barriers to care might be overcome for disadvantaged groups		Fundamentals of Community & Preventive Dentistry	341
CDPH2-CD-008	Define determinants of health and equality	Dental Public Health	Fundamentals of Community & Preventive Dentistry	5
CDPH2-CD-009	Describe the educational process with its domains	Oral Health Education	Fundamentals of Community & Preventive Dentistry	277
	Explain the concept of educational theories/ models		Fundamentals of Community & Preventive	277

			Dentistry	
	Define Oral health education, its settings, and approaches		Fundamentals of Community & Preventive Dentistry	277
	Describe the objectives of oral health education		Fundamentals of Community & Preventive Dentistry	277
	Identify principles of oral health education		Fundamentals of Community & Preventive Dentistry	277
	Explain the steps in planning Oral Health Education		Fundamentals of Community & Preventive Dentistry	277
	Discuss the three levels of prevention of oral diseases		Fundamentals of Community & Preventive Dentistry	277
	Discuss the health care system and the levels of prevention per Pakistani system		Fundamentals of Community & Preventive Dentistry	277

CODE	SPECIFIC LEARNING OUTCOMES	TOPIC	Book	Page
CDPH 2-CD-010	Deliver a short OHE message to classmates using lab models (tooth models, charts, typodonts).	Oral Health Education	Fundamentals of Community & Preventive Dentistry	5
CDPH 2-CD-011	Classify example cases into primary, secondary, and tertiary prevention using different scenarios	Levels of Prevention Classification	Fundamentals of Community & Preventive Dentistry	5

CDPH 2-CD- 012	Conduct a community-based periodontal health assessment by performing structured history taking and CPITN screening using WHO criteria, and determine periodontal treatment needs.	Community Visit 2: Periodontal Health Assessment Activity	Fundamentals of Community & Preventive Dentistry	33
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PRISME
EVIDENCE BASED DENTISTRY
LEARNING OUTCOME
Apply basic behavior-change models (e.g., Health Belief Model) to design patient education
RESEARCH
Design the basic framework of an epidemiological study relevant to dental public health. Apply techniques such as randomization and blinding to minimize bias in studies.

CFRC	
1.	History Taking Demonstrate the process of history taking for dental caries, including eliciting relevant risk factors, symptoms, and patient concerns.
2.	Tooth Charting and Numbering Accurately chart and record teeth using different dental numbering systems (Universal, FDI, Palmer) in diagrams.
3.	Fluoride Application Perform topical fluoride application on a typodont, or phantom head.
4.	Patient and Operator Positioning Demonstrate correct patient and operator positioning for extraoral and intraoral examination.
5.	Extraoral Examination Perform extraoral examination of the face & neck (inspection, palpation, lymph node check) on a simulated patient or peer.
6.	Intraoral Examination Demonstrate intraoral examination techniques using a mouth mirror, explorer, and probe on a typodont or peer.
7.	Plaque Disclosure Technique

GENERAL PATHOLOGY & MICROBIOLOGY		
COD E	SPECIFIC LEARNING OUTCOMES	Book source
EnC-Pa-001	Discuss the microbiological characteristics, disease spectrum and brief diagnosis of Prevotella.	Lavinson 18 th edition
EnC-Pa-002	Discuss the microbiological characteristics, disease spectrum and brief diagnosis of Bacteroides.	Lavinson 18 th edition
EnC-Pa-003	Discuss the microbiological characteristics, disease spectrum and brief diagnosis of Lactobacillus	Lavinson 18 th edition
EnC-Pa-004	Discuss the microbiological characteristics, disease spectrum and brief diagnosis of Clostridium perfringens	Lavinson 18 th edition
EnC-Pa-005	Discuss the microbiological characteristics, disease spectrum and brief diagnosis of firmicutes	Lavinson 18 th edition
EnC-Pa-006	Discuss the microbiological characteristics, disease spectrum and brief diagnosis of staphylococci	Lavinson 18 th edition
EnC-Pa-007	Discuss the microbiological characteristics, disease spectrum and brief diagnosis of HIV and its relation with dental surgery.	Lavinson 18 th edition

GENERAL PATHOLOGY & MICROBIOLOGY		
CODE	SPECIFIC LEARNING OUTCOMES	Book source
CF3-Pa-001	Describe and differentiate the phases of wound healing, emphasizing the cellular and molecular events in each stage.	Robbins Pathology 10 th edition
	Analyze the local and systemic factors that influence healing at each phase.	
CF3-Pa-002	Explain the roles of different cell types (neutrophils, macrophages, fibroblasts, endothelial cells, epithelial cells) and correlate their functions with growth factors involved in periodontal tissue repair and regeneration.	Robbins Pathology 10 th edition
	Describe the major phases of the cell cycle and relate them to tissue growth and repair.	
	Classify and discuss the characteristics of labile, stable, and permanent cells in relation to tissue regeneration.	
CF3-Pa-003	Describe and compare the different types of tissue healing—primary, secondary, and tertiary intention—based on mechanism, tissue response, and clinical presentation.	Robbins Pathology 10 th edition
	Enumerate and explain the sequential steps involved in scar formation.	
	Identify and explain common complications such as infection, wound dehiscence, hypertrophic scar, and keloid formation.	
	Describe and illustrate the stages of wound healing in an extracted tooth socket, highlighting cellular and tissue-level changes.	
CF3-Pa-004	Define neoplasia and discuss the nomenclature of neoplasms	Robbins Pathology 10 th edition
CF3-Pa-005	Describe the characteristics of benign and malignant tumors.	Robbins Pathology 10 th edition
	Differentiate between benign and malignant tumors.	
CF3-Pa-006	Describe the molecular basis of cancer, including an introduction, essential features of malignant transformation, and the role of oncogenes (with emphasis on RAS).	Robbins Pathology 10 th edition
CF3-Pa-007	Describe the molecular basis of cancer, focusing on tumor suppressor genes, with emphasis on RB and p53.	
CF3-Pa-008	Describe carcinogenesis, including the multistep pathway and radiation-induced carcinogenesis.	

CF3-Pa-009	Describe carcinogenesis, and including chemical microbialcarcinogenesis.	Robbins Pathology 10 th edition
CF3-Pa-010	Describe Tumor metastasis	Robbins Pathology 10 th edition
CF3-Pa-011	Outline the clinical aspects of neoplasia, focusing on grading and staging of cancer.	Robbins Pathology 10 th edition
CF3-Pa-012	Describe and interpret the laboratory investigations used in cancer diagnosis.	
CF3-Pa-013	Define microbial teratogens, Define TORCH infections and identify the impact of maternal infections (TORCH complex) on embryonic development and their dental implications.	Lavinson 18 th edition
CF3-Pa-014	Describe the epidemiology, transmission, virulence factors, pathogenesis, laboratory diagnosis, and prevention of Staphylococci.	Lavinson 18 th edition
CF3-Pa-015	Describe the epidemiology, transmission, virulence factors, pathogenesis, laboratory diagnosis, and prevention of Mucormycosis	Lavinson 18 th edition
CF3-Pa-016	Describe the epidemiology, transmission, virulence factors, pathogenesis, laboratory diagnosis, and prevention of Streptococci	Lavinson 18 th edition
CF3-Pa-017	Describe the epidemiology, transmission, virulence factors, pathogenesis, laboratory diagnosis, and prevention of Actinomyces	Lavinson 18 th edition
CF3-Pa-018	Describe the epidemiology, transmission, virulence factors, pathogenesis, laboratory diagnosis, and prevention of Porphyromonas	Lavinson 18 th edition
CF3-Pa-019	Describe the epidemiology, transmission, virulence factors, pathogenesis, laboratory diagnosis, and prevention of Fusobacterium	Lavinson 18 th edition
CF3-Pa-020	Describe the epidemiology, transmission, virulence factors, pathogenesis, laboratory diagnosis, and prevention of Candida	Lavinson 18 th edition
CF3-Pa-021	Classify the hemorrhagic viruses with clinical presentation.	Lavinson 18 th edition
CF3-Pa-022	Discuss clinical relevance of hemorrhagic virus infections for dentistry.	
CF3-Pa-023	Discuss the viral characteristics, diagnosis and tumors caused by following oncogenic viruses: • HCV • HBV • HPV, EBV, HHV8	Lavinson 18 th edition

CF3-Pa-024	Discuss the role of H. pylori in causing MALT.	Lavinson 18 th edition
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GENERAL PATHOLOGY & MICROBIOLOGY		
CODE	SPECIFIC LEARNING OUTCOMES	TOPIC
Res-Pa-001	Define upper respiratory tract Infections and lower respiratory tract Infections. Enlist various Respiratory tract Infections causing agents	Lavinson 18 th edition
Res-Pa-002	Explain the oral health implications of upper respiratory tract infections.	Lavinson 18 th edition
Res-Pa-003	Classify pneumonias into viral, bacterial, and hospital-acquired types.	Lavinson 18 th edition
	Explain the pathological features of pneumonias caused by human coronavirus.	
	Describe the oral health considerations in pneumonias caused by human coronavirus.	
Res-Pa-004	Describe the basic epidemiology and transmission of common bacterial respiratory tract pathogens. Explain the key virulence factors and general pathogenesis of <i>Streptococcus pyogenes</i> , <i>Streptococcus pneumoniae</i> , and <i>Haemophilus influenzae</i> .	Lavinson 18 th edition

	Outline the clinical significance of <i>Streptococcus pyogenes</i>, including immune-mediated complications. Describe the basic principles of laboratory diagnosis of common bacterial respiratory infections. Discuss general preventive measures, including vaccination and infection control practices.	Lavinson 18 th edition
Res-Pa-005	Differentiate between typical and atypical bacterial respiratory pathogens. Describe the epidemiology and modes of transmission of atypical respiratory bacteria. Explain the basic pathogenic mechanisms of <i>Mycoplasma pneumoniae</i>, <i>Legionella pneumophila</i>, and <i>Klebsiella pneumoniae</i>. Outline the general laboratory approaches used for identification of atypical respiratory pathogens. Discuss preventive strategies, including environmental and hospital-based infection control measures.	Lavinson 18 th edition
Res-Pa-006	Describe the epidemiology and clinical importance of <i>Pseudomonas aeruginosa</i> as an opportunistic pathogen. Explain the major virulence factors and basic pathogenesis of <i>Pseudomonas aeruginosa</i>. Outline the general principles of laboratory diagnosis of <i>Pseudomonas</i> infections. Discuss the importance of infection control and prevention of hospital-acquired infections.	Lavinson 18 th edition
Res-Pa-007	Describe the epidemiology and transmission of <i>Mycobacterium tuberculosis</i>. Explain the basic pathogenesis of tuberculosis. Outline the concept of drug-resistant tuberculosis, including MDR-TB and XDR-TB. Describe the general principles of laboratory diagnosis of tuberculosis. Discuss preventive measures, including public health strategies and infection control.	Lavinson 18 th edition
Res-Pa-008	Describe the epidemiology and modes of transmission of common viral respiratory infections. Explain the basic pathogenesis of Influenza virus and SARS-CoV-2.	Lavinson 18 th edition

	Outline the general laboratory methods used for diagnosis of viral respiratory infections. Discuss preventive strategies, including vaccination and standard infection control precautions.	
Res-Pa-009	Describe the epidemiology and transmission of measles and mumps viruses. Explain the basic pathogenesis of measles and mumps infections. Identify common oral and salivary gland manifestations associated with these viral diseases. Outline general laboratory diagnostic approaches for these viral infections. Discuss preventive measures, including immunization	Lavinson 18 th edition
Res-Pa-010	Describe general oral health considerations in patients with respiratory infections.	Lavinson 18 th edition
Res-Pa-011	Discuss the microbiological characteristics, disease spectrum, and brief diagnosis of of <i>Corynebacterium diphtheriae</i>	Lavinson 18 th edition
Res-Pa-012	Discuss the microbiological characteristics, disease spectrum, and brief diagnosis of of Influenza Virus	Lavinson 18 th edition
Res-Pa-013	Discuss the importance of seasonal flu vaccines.	Lavinson 18 th edition
Res-Pa-014	Discuss the microbiological characteristics, disease spectrum, and brief diagnosis of <i>chlamydia pneumoniae</i>	Lavinson 18 th edition
Res-Pa-015	Discuss the microbiological characteristics, disease spectrum, and brief diagnosis of <i>chlamydia psittaci</i>	Lavinson 18 th edition
Res-Pa-016	Discuss the microbiological characteristics, disease spectrum, and brief diagnosis of Q.fever	Lavinson 18 th edition Lavinso n 18 th edition
	Discuss the microbiological characteristics, disease spectrum, and brief diagnosis of <i>bacillus anthrax</i>	
	Discuss the microbiological characteristics, disease spectrum, and brief diagnosis of <i>Aspergillus</i> .	
Res-Pa-017	Discuss the microbiological characteristics, disease spectrum, and brief diagnosis of dermatophytes	Lavinson 18 th edition
Res-Pa-018	Discuss the microbiological characteristics, disease spectrum and brief diagnosis of histoplasma	Lavinson 18 th edition
Res-Pa-	Discuss the microbiological characteristics, disease spectrum and brief diagnosis of <i>Coccidioides</i> , <i>Blastomyces Paracoccidioides</i> .	Lavinson 18 th edition

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GENERAL PATHOLOGY & MICROBIOLOGY		
CODE	SPECIFIC LEARNING OUTCOMES	TOPIC
Res-Pa-020	Perform Ziehl-Neelsen staining to identify acid-fast bacilli, and accurately interpret the microscopic findings for the diagnosis of <i>Mycobacterium tuberculosis</i> .	Microbiology

	Perform and interpret the oxidase test to identify oxidase-positive	Microbiology
Res-Pa-021	organisms, specifically <i>Pseudomonas aeruginosa</i> , in a clinical microbiology setting.	

GENERAL PATHOLOGY & MICROBIOLOGY		
CODE	SPECIFIC LEARNING OUTCOMES	TOPIC
CF3-Pa-025	Study the characteristics of Benign (Epithelial & Connective tissue) tumors: Squamous Papilloma, Lipoma, Leiomyoma,	Benign Tumors
CF3-Pa-026	Study the characteristics of Malignant (Epithelial and connective tissue) tumors: Squamous cell carcinoma, Leiomyosarcoma (Pictorial).	Malignant tumors
CF3-Pa-027	Perform and interpret the catalase test, and coagulase test.	Laboratory tests
CF3-Pa-028	Demonstrate appropriate Sterilization and disinfection methods for dental instruments.	Sterilization and Disinfection
CF3-Pa-029	Perform Gram staining on bacterial smears to identify gram-positive, gram-negative bacteria and candida under the microscope.	Microscopic identification
CF3-Pa-030	Demonstration the use of anerobic jar and explain its applications in the cultivation of dental microbes.	Anerobic cultures
CF3-Pa-031	Demonstrate collection of oral and throat specimens for microbiological examination in dental practice.	Sample collection
CF3-Pa-032	Identify culture media used in microbiology laboratory for identification of pathogens.	Culture media

PHARMACOLOGY			
CODE	SPECIFIC LEARNING OUTCOMES	TOPIC	
EnC-Ph-001	State the major effects of insulin on body tissues	Antidiabetic drugs: Insulin	Katzung & Trevor's 12 th Edition Page: 348 to 350
	Classify types of insulin (short, intermediate, long-acting)		Lippincott 7 th Edition Page: 313
	Describe the uses and common side effects of insulin		Lippincott 7 th Edition Page: 320 to 322
	Recognize newer agents (SGLT2 inhibitors, incretin mimetics, DPP-4 inhibitors) at a basic level		
EnC-Ph-002	List the main groups of oral antidiabetic drugs (e.g., sulfonylureas, metformin, thiazolidinediones)	Oral antidiabetic drugs	Katzung & Trevor's 12 th Edition Page: 350 to 353 Lippincott 7 th Edition Page: 317 to 323
	Explain in simple terms how these drugs lower blood glucose		
	Identify common side effects and contraindications		
EnC-Ph-003	Outline the synthesis and functions of thyroid hormones	Thyroid hormones & Antithyroid drugs	Katzung & Trevor's 12 th Edition Page: 324, 325 Lippincott 7 th Edition Page: 306, 307
	State the drugs used in hypothyroidism		Lippincott 7 th Edition Page: 307, 308
	Explain the mechanism of action of main antithyroid drugs		Katzung & Trevor's 12 th Edition Page: 326, 327 Lippincott 7 th Edition Page: 308
	Recognize the role of iodides and beta blockers in hyperthyroidism		
	List common toxicities of antithyroid drugs		
EnC-Ph-004	Recall the main adrenal steroid hormones (cortisol, aldosterone)	Adrenal hormones – I	Katzung & Trevor's 12 th Edition Page: 331 to 333 Lippincott 7 th Edition Page: 341
	Recognize some synthetic glucocorticoids		Katzung & Trevor's 12 th Edition Page: 333
	Differentiate between short-, intermediate-, and long-acting		Katzung & Trevor's 12 th Edition Page:

	glucocorticoids.		332 Lippincott 7 th Edition Page: 340, 341
EnC- Ph- 005	Describe the main pharmacological effects and therapeutic uses of glucocorticoids.	Adrenal hormones – II	Katzung & Trevor's 12 th Edition Page: 330 to 333 Lippincott 7 th Edition Page: 342, 343
	Outline their major adverse effects and precautions corticosteroids		Katzung & Trevor's 12 th Edition Page: 333 Lippincott 7 th Edition Page: 344
	Explain the clinical implications and monitoring considerations in long-term steroid use		Katzung & Trevor's 12 th Edition Page: 333, 334 Lippincott 7 th Edition Page: 344 to 346
	Describe their pharmacokinetics, mechanism of action, pharmacological effects, uses, adverse effects, drug interactions and contraindications of Corticosteroid Antagonists		
CODE	SPECIFIC LEARNING OUTCOMES	TOPIC	
EnC- Ph- 001	State the major effects of insulin on body tissues	Antidiabetic drugs: Insulin	Katzung & Trevor's 12 th Edition Page: 348 to 350
	Classify types of insulin (short, intermediate, long-acting)		Lippincott 7 th Edition Page: 313
	Describe the uses and common side effects of insulin		
	Recognize newer agents (SGLT2 inhibitors, incretin mimetics, DPP-4 inhibitors) at a basic level		Lippincott 7 th Edition Page: 320 to 322
EnC- Ph- 002	List the main groups of oral antidiabetic drugs (e.g., sulfonylureas, metformin, thiazolidinediones)	Oral antidiabetic drugs	Katzung & Trevor's 12 th Edition Page: 350 to 353 Lippincott 7 th Edition Page: 317 to 323
	Explain in simple terms how these drugs lower blood glucose		
	Identify common side effects and contraindications		
	Outline the synthesis and functions of thyroid hormones		Katzung & Trevor's 12 th Edition Page: 324, 325 Lippincott 7 th Edition Page:

EnC- Ph- 003		Thyroid hormones & Antithyroid drugs	306, 307
	State the drugs used in hypothyroidism		Lippincott 7 th Edition Page: 307, 308
	Explain the mechanism of action of main antithyroid drugs		Katzung & Trevor's 12 th Edition Page: 326, 327 Lippincott 7 th Edition Page: 308
	Recognize the role of iodides and beta blockers in hyperthyroidism		
	List common toxicities of antithyroid drugs		
EnC- Ph- 004	Recall the main adrenal steroid hormones (cortisol, aldosterone)	Adrenal hormones – I	Katzung & Trevor's 12 th Edition Page: 331 to 333 Lippincott 7 th Edition Page: 341
	Recognize some synthetic glucocorticoids		Katzung & Trevor's 12 th Edition Page: 333
	Differentiate between short- , intermediate-, and long-acting glucocorticoids.		Katzung & Trevor's 12 th Edition Page: 332 Lippincott 7 th Edition Page: 340, 341
EnC- Ph- 005	Describe the main pharmacological effects and therapeutic uses of glucocorticoids.	Adrenal hormones – II	Katzung & Trevor's 12 th Edition Page: 330 to 333 Lippincott 7 th Edition Page: 342, 343
	Outline their major adverse effects and precautions corticosteroids		Katzung & Trevor's 12 th Edition Page: 333 Lippincott 7 th Edition Page: 344
	Explain the clinical implications and monitoring considerations in long- term steroid use		Katzung & Trevor's 12 th Edition Page: 333, 334 Lippincott 7 th Edition Page: 344 to 346
	Describe their pharmacokinetics, mechanism of action, pharmacological effects, uses, adverse effects, drug interactions and contraindications of Corticosteroid Antagonists		

ORAL BIOLOGY			
Code	Learning objectives	Topic	Book and Page no.
Oc2-OB-001	Define the biological features of the temporomandibular joint relevant to occlusion, including the structure and function of the articular disc, synovial fluid, and cartilage adaptation	TMJ & Oral Biology	Tencate's Oral Histology, Edition:9 Chapter: 13 Page:289-302
	Explain the neuromuscular control of mandibular movement, including the role of muscle spindles, Golgi tendon organs, and the central nervous system in maintaining occlusal stability.		Tencate's Oral Histology, Edition:9 Chapter: 13 Page: 302-309
Oc2-OB-002	Describe occlusal curves and explain their significance in masticatory efficiency	Occlusal Curves & Arch	Wheeler's Dental Anatomy Edition:10 Chapter: 5 Page: 79-85 Chapter 16 Page: 267-295
	Explain the concept of arch form	Form	
	Describe the normal dental arch forms (tapered, ovoid, square)		
	Define supporting cusps and guiding cusps, and explain their functional role in occlusion.		
Oc2-OB-003	Explain the basic concepts of facial growth and bone remodelling Describe various facial types and profiles.	Facial Growth, Facial Types & Bone Remodeling	Tencate's Oral Histology, Edition:9 Chapter: 14 Page: 310-319

PHYSIOLOGY				
CODE	SPECIFIC LEARNING OUTCOMES	TOPIC	REFERENCE	PAGE NO.
EnC-P001	Enlist the major endocrine glands and their hormones.	Introduction to Endocrinology	Guyton & Hall. Textbook of Physiology. 14 th Edition	Chapter 75 pg -917-918
	Classify hormones broadly based on chemical structure (peptide, steroid, amine).			Chapter 75 pg -915-918
	Differentiate between surface and intracellular hormone receptors			Chapter 75 pg -920-927
	Explain the basic concept of feedback control in hormone secretion			Chapter 75 pg -919-920
EnC-P002	Describe the basic anatomy of pituitary gland and its relation to hypothalamus.	Pituitary Hormones and Their Control by the Hypothalamus	Guyton & Hall. Textbook of Physiology. 14 th Edition	Chapter 76 Pg 929-932,938
	Identify the main hormones of the anterior and posterior pituitary and state their primary functions			Chapter 76 Pg 929-932
	Outline the effects of growth hormone on growth and metabolism			Chapter 76 Pg 932-937
	Explain the pathophysiology of growth-related disorders—dwarfism, gigantism, and acromegaly			Chapter 76 Pg 936-937
	Describe the main functions of ADH (in water balance) and oxytocin (in labor and lactation)			Chapter 76 Pg 938-940
EnC-P003	Outline the basic functions of thyroid hormones	Thyroid Gland	Guyton & Hall. Textbook of Physiology. 14 th Edition	Chapter 77 Pg 944-948
	Discuss the salient clinical features of major thyroid			Chapter 77 Pg 950-953

	disorders: hyperthyroidism, hypothyroidism, cretinism, and myxedema			
EnC-P004	Outline the basic functions of parathyroid hormone, calcitonin, and vitamin D in calcium and bone metabolism	Calcium Regulating Hormones	Guyton & Hall. Textbook of Physiology. 14 th Edition	Chapter 80 Pg 997-1004
	Describe clinical conditions associated with calcium imbalance: hypoparathyroidism, hyperparathyroidism, rickets, osteomalacia, and osteoporosis.			Chapter 80 Pg 1004-1006
EnC-P005	Name the main adrenal cortical hormones and describe the physiological functions of cortisol, and aldosterone.	Adrenal Glands	Guyton & Hall. Textbook of Physiology. 14 th Edition	Chapter 78 pg 955-969
	Discuss the salient features of Cushing's syndrome and Addison's disease			Chapter 78 pg 969-671
EnC-P006	Describe the main actions of insulin and glucagon on carbohydrate, protein, and fat metabolism	Pancreas	Guyton & Hall. Textbook of Physiology. 14 th Edition	Chapter 79 Pg 975-983
	Differentiate between Type I and Type II diabetes mellitus based on etiology and pathophysiology			Chapter 79 Pg 984-989
	Discuss the general features and complications of diabetes mellitus			Chapter 79 Pg 984-989

BIOCHEMISTRY		
CODE	SPECIFIC LEARNING OUTCOMES	RESOURCES
	THEORY	
EnC-B- 001	Outline the main steps of thyroid hormone synthesis (iodide uptake, iodination, coupling, storage, release).	- Harper's Illustrated Biochemistry (31st edition). Chapter No: 41 The Diversity of the Endocrine System Page. No: 492-493 - Handouts
	State how parathyroid hormone is synthesized and its role in calcium regulation.	- Harper's Illustrated Biochemistry (31st edition). Chapter No: 41 The Diversity of the Endocrine System Page. No: 494-495 - Handouts
EnC-B-002	Describe, in simple terms, how insulin and glucagon are produced in pancreatic islet cells.	Lippincott Illustrated Reviews Biochemistry (8th edition).
	Explain the clinical significance of C-peptide (marker of insulin secretion).	Chapter No: 23 Metabolic effects of insulin & glucagon. Page. No: 341-343. 347-348.
	Compare key features of Type 1 and Type 2 diabetes mellitus.	Lippincott Illustrated Reviews Biochemistry (8th edition). Chapter No: 25 Diabetes Mellitus. Page. No: 375-376.
	Describe the pathways of beta-oxidation and ketogenesis and explain their metabolic significance.	Lippincott Illustrated Reviews Biochemistry (8th edition). Chapter No: 16 Fatty acid, triacylglycerol, & ketone body metabolism. Page. No: 209-218.
EnC-B-003	Describe vitamin D and its active form, sources, RDA, biochemical roles, and deficiency	Lippincott Illustrated Reviews Biochemistry (8th edition).

	manifestations.	Chapter No: 28 Micronutrients: Vitamins Page. No: 437-440. • Handouts
EnC-B-004	Describe metabolism of calcium.	• Lippincott Illustrated Reviews Biochemistry (8th edition). Chapter No: 29 Micronutrients: Minerals Page. No: 446-447. • Handouts

PERIDONTICS				
CODE	SPECIFIC LEARNING OUTCOMES	TOPIC	Reference Book	Page no.
Oc2-Pe-001	Explain the basic concepts of periodontology, including the structure and function of the periodontium and its role in maintaining oral health.	Periodontium & Occlusal Response	Newman and Carranza's clinical Periodontology and Implantology 14 th Edition	Chapter 4, page 30-60
	Describe the Physiology of Mastication and the role of mechanoreceptors in the PDL in regulating occlusal biting forces.			Chapter 32, page 453 - 461
	Describe the role of the periodontal ligament (PDL) in occlusal function, including mechanoreception, proprioception, and tooth mobility.			

ORTHODONTICS				
Sr. no.	Learning Objective	Primary Textbook	Chapter	Page
1	Define Orthodontics and describe the branches of Orthodontics	Proffit, Contemporary Orthodontics, 6th ed.	Chapter 1	pp. 2–3
2	Explain the relevance of preventive and interceptive orthodontics to the development of occlusion and dentition during the primary and mixed dentation periods	Proffit, Contemporary Orthodontics, 6th ed.	Ch. 11 – Preventive and Interceptive Treatment	pp. 354–386
		Laura Mitchell An Introduction to Orthodontics – 5 th edition	Development of dentition + relevant interceptive treatment chapters	pp. 21–36
3	Define Overjet and overbite	Proffit, Contemporary Orthodontics, 6th ed.	Chapter 5 – Occlusal characteristics / assessment of malocclusion	pp. 135–136
		Laura Mitchell An Introduction to Orthodontics – 5 th edition	Chapter 5 – Orthodontic assessment / overjet and overbite	pp. 52–54
4	Define and differentiate between ideal occlusion , normal occlusion and mal occlusion	Proffit, Contemporary Orthodontics, 6th ed.	Chapter 1: <i>Malocclusion and Dentofacial Deformity in Contemporary Society</i>	pp. 2–5
5	Enumerate Andrews six keys of occlusion and its functional significance. What is classification of molar incisor and canine relationships using angles classification system	Laura Mitchell An Introduction to Orthodontics – 5 th edition	2.2 Classifying malocclusion,” “2.3 Commonly used classifications and indices,” and “2.4 Andrews' six keys”	p. 18–19 Box 2.6, p. 19

PRE-CLINICAL OPERATIVE DENTISTRY			
CODE	SPECIFIC LEARNING OUTCOMES	TOPIC	RECOMMENDED BOOK
DMPD2 - OD-005	Prepare Class I cavity on typodont for an amalgam restoration (premolars & mandibular molars). Demonstrate preparation of a Class I cavity on maxillary molars of typodont	Class I Cavity Preparation for AMALGAM	ART AND SCIENCE OF OPERATIVE DENTISTRY chap 13
DMPD2 - OD-006	Apply liners & bases in a prepared cavity.	Pulp protection	
DMPD2 - OD-007	Perform trituration, condensation, carving, and finishing of amalgam restoration in prepared Class I cavity on a typodont.	Class I Restoration with amalgam	ART AND SCIENCE OF OPERATIVE DENTISTRY chap 13
DMPD2 - OD-008	Perform quadrant isolation with rubber dam for posterior composite restorations	Quadrant Isolation	ART AND SCIENCE OF OPERATIVE DENTISTRY Chap 8
DMPD2 - OD-009	Prepare conservative Class I cavity on typodont for composite restoration.	Cavity preparation for class I composite restoratio	ART AND SCIENCE OF OPERATIVE DENTISTRY Chap 19

DMPD2 - OD-010	Demonstrate adhesive protocol, including: i. Etching strategy (total-etch/self-etch) ii. Primer and bonding application iii. Solvent evaporation and light curing Place composite using appropriate incremental techniques to minimize shrinkage stress and establish proper contour and contact.	Adhesion and composite restoration	ART AND SCIENCE OF OPERATIVE DENTISTRY Chap 15 ART AND SCIENCE OF OPERATIVE DENTISTRY Chap 13
	Finish and polish restorations while maintaining marginal integrity and anatomy.	Finishing and Polishing	
DMPD2 - OD-011	Evaluate and adjust occlusion to ensure proper functional contacts		

PROSTHODONTICS-OCCLUSION II			
CODE	SPECIFIC LEARNING OUTCOMES	TOPIC	BOOK REF. PAGE NO.
Oc2-PD- 001	Explain the characteristics of ideal occlusion in natural dentition and its significance for oral function and health.	Characteristics and Significance of Ideal Occlusion	Boucher/Zarb 13 th edition Pages 23-27, 206-214, McCracken's RPD 13ed Pages 242-250
	Define the Anterior & posterior determinants (TMJ morphology, condylar guidance) incisal guidance, canine guidance of occlusion).		
	Define & differentiate between static occlusion (centric occlusion, centric relation, maximum intercuspation) and dynamic occlusion (working side, balancing side, protrusive and lateral excursions).		
	Enumerate the key features of occlusion in deciduous, mixed & permanent dentition		

CODE	SPECIFIC LEARNING OUTCOMES	TOPIC	BOOK REF.
DMPD2-PD-001	Define vertical and horizontal jaw relations.	Establishing Artificial Occlusion	Boucher/Zarb 13 th edition pages 189–193, pages 14-18, pages 194-203 McCracken's RPD 13ed Pages 242-251
	Enlist following features of natural occlusion: • Overjet • Overbite • Centric relation • Maximum intercuspation • Condylar guidance, and • Incisal guidance		
	Define significant planes for arrangement of teeth: • Facio lingual, • Mesiodistal, • Occlusal plane, • Ridge relation, and • Rotational curve		Boucher/Zarb 13 th edition Pages 207–219 Pages 219-230
	Define anatomic occlusion in artificial dentition.		
	Correlate features of natural occlusion with artificial dentition.		

ASSESSMENT POLICY:

Regulations:

1. Professional examination shall be open to any student who: -
 - a. has been enrolled/registered and completed one academic year preceding the concerned professional examination in a constituent/affiliated college of the University.
 - b. has his/her name submitted to the Controller of Examinations, for the purpose of examination, by the Principal of the college in which he / she is enrolled & is eligible as per all prerequisites of the examination.
 - c. has his/her marks of internal assessment in all the Blocks/Clinical Clerkships sent to the Controller of Examinations through office of the Principal of the concerned college, at the end of each Block/Clinical Clerkships, as well as at the conclusion of the academic session along with the admission form for the professional examination.
 - d. Has been certified by the principal of his/her college:
 - (i) of good character;
 - (ii) of having attended not less than cumulative 75%* of the full course of lectures delivered, practical and clinical rotations conducted in the particular academic session, while maintaining 75 % attendance in each Block/Clinical Clerkship,
 - (iii) of having appeared at the Block/Clinical Clerkship Examinations conducted by the college of enrolment with at least 50 % marks* in each Block/Clinical Clerkship examination, as well as in aggregate score of all Blocks/Clinical Clerkships examinations for the concerned year;
2. Written/Theory paper in all Professional Examinations in Modular Integrated MBBS or BDS Curricula shall consist of MCQs alone, with effect from Annual 2026 Examinations. (Ref: No. UHS/REG-25/2379, dated 17.11.2025)
3. The minimum number of marks required to pass the professional examination for each Block/Clinical Clerkship shall be fifty percent (50%) in Written and fifty percent (50%) in the 'Oral/Practical/Clinical' examinations and fifty percent (50%) in aggregate, independently and concomitantly, at one and the same time.
4. A candidate failing in one or more Blocks/Clinical Clerkships in the annual examination shall be provisionally allowed to join the next professional class till the commencement of supplementary examinations. The candidate, however, shall have to pass the failed Block/s or Clinical Clerkship in this supplementary examination failing which he / she shall be detained in the professional year. Under no circumstances, a candidate shall be promoted to the next professional class till he/she

has previously passed all the Blocks/Clinical Clerkships in the preceding professional examination.

If a student appears in the Supplementary Examination for the first time as he/she did not appear in the annual examination for any reason and failed in any Block/Clinical Clerkship in the Supplementary Examination, he/she will be detained in the same class and will not be promoted to the next class.

**Notification No.UHS/REG-25/2351 Dated 13-11-2025*

5. Only one annual and one supplementary of each Professional Examination shall be allowed in a particular academic session. However, in exceptional situations, i.e., national calamities, war or loss of solved answer books in case of accident, special examination may be arranged after having observed due process of law. This will require permission of relevant authorities, i.e., Syndicate and Board of Governors.
6. Any student who fails to clear the First or Second Professional MBBS / First Professional BDS Examination, in four consecutive attempts, each, inclusive of both availed as well as un-availed attempts, after becoming eligible for the examination, and has been expelled on that account shall not be eligible for continuation of studies and shall not be eligible for admission as a fresh candidate in either MBBS or BDS.
7. The application for admission of each candidate to the professional examination shall be submitted to the Controller of Examination, through the Principal of the College, on the prescribed format, as per notified schedule, accompanied by the prescribed fee.
8. The candidates shall pay their fee through the principal of their respective Colleges, who shall forward the Examination Forms along with the duly paid challan of the examination fee generated from the Online Examination Form.
9. The continuous internal assessment through the Block/Clinical Clerkship, conducted by the college of enrollment, shall carry 20% weightage in the total allocated marks for the concerned Block/Clinical Clerkship in the Professional Examination conducted by the university. The score will be equally distributed to the Written and “Oral/Practical/Clinical” Examinations.
10. The marks of internal assessment through Blocks/Clinical Clerkships examination and attendance record shall be submitted to Controller of Examinations, along with question papers and keys for the Block/Clinical Clerkship examination, within two weeks of completion of each Blocks/Clinical Clerkships examination.

Further, parent-teacher meetings shall be arranged by the colleges after every Block/Clinical Clerkship examination to share feedback on the progress of students with their parents. Minutes of parent teacher meetings, academic timetables/schedule of Blocks/Clinical Clerkships and

academic year study guides shall be submitted to the Department of Medical Education UHS, as well.

11. It is emphasized that fresh internal assessment or a revision of assessment for supplementary examination shall not be permissible. However, a revised internal assessment for the detained students can be submitted. The internal assessment award in a particular year will not be decreased subsequently detrimental to the detainee candidate. A proper record of the continuous internal assessment shall be maintained by the concerned department/s in the colleges.
12. The colleges may arrange remedial classes and one re-sit for each Block/Clinical Clerkship examination after fulfillment of prescribed requirements given below. The remedial classes and re-sit examination can be conducted during summer vacation/weekends, before or during preparatory leave for the concerned professional examination, subject to the following conditions:

Block/Clinical Clerkship Attendance	Remedial Classes
<75%, ≥ 50% (50-74%)	i. Principal of the college may conduct remedial classes and submit result to the Examination Department, UHS, independently. ii. Principal of the college may conduct remedial classes for detained students, who have short attendance in the first Block/Clinical Clerkship of a professional year after detention. The college may submit record of the remedial classes to the Examination Department, UHS, independently.
<50%	i. Principal of the college may submit attendance record of such students to Department of Medical Education, UHS, seeking permission for conduct of remedial Classes. The conduct of remedial classes in such cases shall be arranged only after permission from the Competent Authority in the university. ii. The colleges shall also have to provide the university with the reasons submitted by the candidates for short attendance along with documentary evidence for the same duly verified by the principal. iii. The following shall be considered as valid reasons for short attendance of the students for consideration of permission for remedial classes:

	• Illness/accident/surgery of the student or sickness/death of an immediate relative/being afflicted by a natural/man-made calamity or disaster or detained students (missed the first Block/Clinical Clerkship of the year), students clearing their preceding professional examination in supplementary, or late admitted students who have been permitted for joining by UHS
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Marks in Block/ Clinical Clerkship Examination	Re-sit Examination
<50% Marks/ Absence from Block /Clinical Clerkship Examination	i. Principal of the college may submit record of such students to Department of Medical Education, UHS, seeking permission for conduct of re-sit examination. ii. The conduct of re-sit examination in all cases shall be arranged only after permission from the Competent Authority in the university. iii. The colleges shall also have to provide the university with the reasons submitted by the candidates for absence from the Block/Clinical Clerkship examination, along with documentary evidence for the same duly verified by the principal. iv. The following shall be considered as valid reasons for absence of a student from Block/Clinical Clerkship examination, and for consideration of permission for re-sit examination: • Illness/accident/surgery of the student or sickness/death of an immediate relative/being afflicted by a natural/man-made calamity or disaster or detained students (missed the first Block/Clinical Clerkship of the year), students clearing their preceding professional examination in supplementary, or late admitted students who have been permitted for joining by UHS

13. The following policy shall be applicable for transition of students From Traditional Subject-Based Scheme to the Modular Integrated Curriculum Scheme:

- The students who fail in all subjects of the professional examination, either by taking the examination or due to non-appearance, and are detained in the respective professional year, shall follow the Modular Integrated Curriculum Scheme for their teaching and assessment.

- ii. The students who fail in one or more subjects but not all the subjects of a professional examination, either by taking the examination or due to non-appearance, and are detained in the respective professional year, shall attend classes with students following the Modular Integrated Curriculum Scheme, but they will be examined in the failed subject/s according to their parent scheme, i.e., the Traditional Subject-Based Curriculum Scheme.

BDS Year-2								
Subject	Theory		Practical				Total	
Block IV	Cariology II – 18 MCQs	120 Marks	Practical/ Clinical Examination	08 OSPE (09 marks each)	08 Stations x 09 = 63 Marks	120 Marks	300	
	Community Dentistry & Public Health-I - 27 MCQs							
	Dental Materials & Pre-Clinical Dentistry-I – 45 MCQs							
	Hepatorenal - 28 MCQs							
	PRISME - 02 MCQs							
	Internal Assessment 10%		Internal Assessment 10%					
Block V	Endocrinology - 22 MCQs	120 Marks	Practical/ Clinical Examination	08 OSPE (09 marks each)	08 Stations x 09 = 63 Marks	120 Marks	300	
	Occlusion-II – 20 MCQs							
	Community Dentistry & Public Health-II – 30 MCQs							
	Dental Materials & Pre-Clinical Dentistry-II – 46 MCQs							
	PRISME - 02 MCQs							
	Internal Assessment 10%		Internal Assessment 10%					
Block VI	Craniofacial-III – 37 MCQs	120 Marks	Practical/ Clinical Examination	08 OSPE (09 marks each)	08 Stations x 09 = 63 Marks	120 Marks	300	
	Respiration – 35 MCQs			08 OSVE	08 Stations x 06 = 48 Marks			
	Dental Materials & Pre-Clinical Dentistry-II – 46 MCQs							
	PRISME - 02 MCQs			(06 marks each)				
	Internal Assessment 10%		Internal Assessment 10%					
Total Marks:							900	
Note:								
- The time allotted for theory exam shall be 130 minutes. - Time for each OSPE/ OSVE station will be six (06) minutes - No grace marks shall be allowed in any examination or practical under any guise or name.								

BDS 2nd Year, BLOCK-04

Sr. No.	Written Exam				Oral/Practical exam			Total
	Modules	Subjects	No. of MCQs	Total MCQs	Subjects	OSPE/ OSCE (9 marks)	OSVE (6 marks)	
1	Cariology-II	Oral Biology & Tooth Morphology	12	18	Oral Biology & Tooth Morphology	-	01	06
2		Oral Pathology	03		Oral Pathology/ Oral Medicine	-	01	06
3		Operative Dentistry	02		Operative Dentistry	01	01	15
4		Oral Medicine	01		Community & Preventive Dentistry	01	01	15
5	Community Dentistry & Public Health-I	Community & Preventive Dentistry	11	27	Behavioral Sciences	01	01	15
6		Behavioral Sciences	16		Prosthodontics	01	01	15
7	Dental Materials & Pre-Clinical Dentistry-I	Operative Dentistry	10	45	Science of Dental Materials	01	01	15
8		Prosthodontics	10		Biochemistry	-	01	06
9		Science of Dental Materials	25		Pharmacology & Therapeutics	01	-	09
10	Hepatorenal	Physiology	07	28	PRISME	01	-	09
11		Biochemistry	09		CFRC	01	-	09
12		General Pathology & Microbiology	06		-	-	-	-
13		Oral Medicine	01		-	-	-	-
14		Behavioral Sciences	03		-	-	-	-
15		Pharmacology & Therapeutics	02		-	-	-	-
16	PRISME		02	02	-	-	-	-
Total				120	Total	8 OSPE= 72 marks	8 OSVE= 48 marks	120

STUDY PLAN



Lahore Medical & Dental College

Canal Bank North, Tulpura, Lahore-53400

Contact No: +923464418891-98

E-mail: info@lmdc.edu.pk

No. LMDC/FD/ /26 dated

TIMETABLE 2nd YEAR BDS Session 2025-2026 Block 5 w.e.f. 31-8-2026

Day	8:00 am--9:00 am	9:00 am--10:00 am	10:00 am -- 11:00am	11:00 am- 11:30 am	11:30 am -- 12:15pm	12:15 pm -- 1:00 pm	1:00 pm -- 3:00 pm
Monday	Oral Biology Lecture Lecture Theatre 9	Science of Dental Materials Lecture/Tutorial Lecture Theatre 9	Biochemistry Lecture Lecture Theatre 9	BREAK	Community Dentistry Lecture/Tutorial Lecture Theatre 9	Science of Dental Materials Tutorial Lecture Theatre 9	Pre- Clinical Dentistry Batch A Pre-Clinical Operative Batch B Pre-Clinical Prosthodontics
Tuesday	8:00 am -- 9:00 am	9:00 am to 10:00 am	10:00 am -- 11:00 am	11:00 am -- 11:30 am	11:30 am -- 12:15 pm	12:15 pm -- 1:00 pm	1:00 pm -- 3:00 pm
	Pre-Clinical Operative Dentistry Lecture Theatre 9	Science of Dental Materials Lecture Theatre 9	*Biochemistry/Oral & Maxillofacial Surgery Lecture Theatre 9	BREAK	General Pathology & Microbiology Lecture Theatre 9	Science of Dental Materials Lecture Theatre 9	PRACTICAL/ DEMONSTRATION Science Dental Materials
Wednesday	8:00 am -- 9:00 am	9:00 am to 10:00 am	10:00 am -- 11:00 am	11:00 am -- 11:30 am	11:30 am -- 12:15 pm	12:15 pm -- 1:00 pm	1:00 pm -- 3:00 pm
	Pre-Clinical Prosthodontics Lecture Theatre 9	Physiology Lecture Lecture Theatre 9	Science of Dental Materials Lecture Theatre 9	BREAK	**Pharmacology/ Periodontology Lecture Theatre 9	Oral Biology Lecture Lecture Theatre 9	Pre- Clinical Dentistry Batch B Pre-Clinical Operative Batch A Pre-Clinical Prosthodontics
**** Thursday	8:00 am -- 9:00 am	9:00 am -- 10:00 am	10:00 am -- 11:00 am	11:00 am -- 11:30 am	11:30 am -- 1:00 pm		1:00 pm -- 3:00 pm
	Physiology Lecture Lecture Theater 9	Community Dentistry Lecture Theatre 9	PRISME Lecture Théâtre 9	BREAK	CFRC		LECTURE/ PRACTICAL/SCREENING Community Dentistry
Friday	8:00 am -- 8:50 am	8:50 am -- 10:20 am	10:20 am -- 11:00 am	11:00am -- 12:00 pm	12:00 pm -- 1:00 pm	1:00 pm -- 3:00 pm	
	Behavioral Sciences Lecture Theater 9	****PRACTICAL Pharmacology/ Behavioral Science	Oral Biology Lecture/Tutorial Lecture Theatre 9	Orthodontics Lecture/Practical Lecture Theatre 9	Physiology Lecture/Tutorial Lecture Theatre 9	SDL	

- * 3rd & 4th Week will be dedicated to Oral & Maxillofacial Surgery.
- **3rd Week will be dedicated to Periodontology.
- ***Two Weeks will be dedicated to Community outreach program (Community Dentistry).
- **** 1st, 2nd & 3rd Week will be dedicated to Pharmacology Practical. Remaining Weeks will be dedicated to Behavioral Sciences Practical.

Copy for information to the: NO. LMDC/FD/ 3561-78 /2026, Dated: 24-08-26

1. Heads of all concerned departments.
2. Chief Administrative Officer, LMDC
3. DDE, LMDC, Lahore.
4. Director I.T. Operation, LMDC
5. Assistant Director Student's affairs, LMDC.
6. M/S Ali Tours
7. Lecture Theatre In-charge.
8. Notice Board, LMDC, Lahore.
9. Class Representatives (Boys/ Girls)

**PRINCIPAL / DEAN
PROF. Dr. AQIB SOHAIL
DENTAL COLLEGE, LMDC**

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