



ASSESSMENT BLUEPRINT

3rd YEAR BDS

1. Introduction

This assessment blueprint aims to provide teachers, students, and examiners with a comprehensive understanding of the evaluation structure for the 3rd Year BDS, encompassing both theoretical and practical components.

The assessment is divided into three blocks/papers (H, I & J), each focusing on specific modules as given in Table 1-10 shows the assessment plan, the distribution of MCQs, the contents and OSPEs/OSCEs distribution for Papers H, I & J, respectively.

2. Theory Papers

- i. Theory paper H, I & J consists of 120 MCQs, complemented by an additional 10% marks of internal assessment.
- ii. Internal assessment marks will be incorporated into the final grading in the KMU exam.

3. Practical Assessment (OSPE/OSCE & structured long case)

- i. Each OSPE/OSCE examination consists of a total of 120 marks, with an additional 10% marks from internal assessment.
- ii. Internal assessment marks will be incorporated into the final grading in KMU exam.
- iii. Practical assessment is conducted in the form of OSPE/OSCE to evaluate students' practical skills and clinical knowledge.

Table 1: 2nd Year BDS Assessment Plan

Theory Paper	Modules	Theory Marks	Internal Assessment Theory Marks (10%)	OSPE/OSCE Marks	Internal Assessment OSPE/OSPE Marks (10%)	Total Marks
Paper H	Clinical Dentistry I & Blood II	120	13	120	13	266
I	Craniofacial II	120	13	120	13	266
Paper J	Cervicofacial II, Cardiopulmonary II & GIT UGS II	120	14	120	14	268
Total Marks		360	40	360	40	800

Table 2: Paper-H (Clinical Dentistry I & Blood II) MCQs Distribution

SNo	Subject	Clinical Dentistry I Module	Blood II Module	Total MCQs
1	Periodontology	10	9	19
2	Oral Pathology	3	17	20
3	Oral Medicine	3	14	17
4	General Medicine	6	10	16
5	General Surgery	8	7	15
6	Operative Dentistry	3	2	5
7	Prosthodontics	7	6	13
8	Oral & Maxillofacial Surgery	3	3	6
9	Pediatric Dentistry	x	3	3
10	Prime	3	3	6
Total		46	74	120

Table 3: Paper-H (Clinical Dentistry I & Blood II) OSPEs/OSCEs Distribution

SNo	Subject	OSPE/OSCE	
		Clinical Dentistry I	Blood II
1	Periodontology	1	1
2	Oral Pathology	1	1
3	Oral Medicine	1	1
4	General Medicine	1	2
5	General Surgery	2	1
6	Operative Dentistry	1	1
7	Prosthodontics	1	1
8	Oral & Maxillofacial Surgery	1	1
9	PRIME	1	1
Total		20	

A minimum of 20 stations will be included in the final examination.

The total marks for the examination will be 120, with each station carrying 6 marks.

Integrated/linked OSCE stations may be incorporated where required; such stations will carry 12 marks.

OSPE/OSCE assessments will be conducted in accordance with the prescribed logbooks.

Oral Pathology assessment will be conducted according to the relevant module guidelines.

Table 4: Paper-H Subject-Wise Content Distribution for OSCEs/OSPEs

Pre-Clinical Operative Dentistry	Pre-Clinical Prosthodontics	Oral and Maxillofacial Surgery
1. Retraction cord	1. Armamentarium	1. History
2. Periapical x-ray	2. Standard operating Procedures	2. Examination
3. Bitewing x-ray	3. Components of Removable partial Denture	3. Investigations (base line lab investigations)
	4. Kennedy's Classification and Applegate's rules.	4. Radiographs (periapical view)
	5. Dental surveyor and its parts	5. Local Anesthetic dose calculation
		6. Dental Management of a patient with leukemia and bleeding disorders
		7. Cervical lymph node examination

Oral Medicine	Periodontology
1. History taking	1. History Taking, Examination, Diagnosis And Treatment Planning
2. Investigations (base line lab investigations)	2. Positioning & Ergonomics 1
3. Radiographs (periapical, OPG, bitewing, occlusal view)	3. Clinical Clock Positioning
4. Consent (types) 4	4. Instrument Grasp (Modified Pen Grasp)
5. Biopsy (interactive station where the student performs a biopsy on a specimen like a potato)	5. Periodontal Instruments: Identification And Design
6. Examination of an ulcer	6. Basic Periodontal Examination (BPE)
7. Clinical cases (diagnosis, differentials, management) • Oral ulcers (aphthous/traumatic) • Immunobullous conditions (pemphigus vulgaris, mucous membrane pemphigoid, lichen planus, erythema multiforme, SLE, DLE) • Pigmented lesions (red/blue, amalgam tattoo, nevus, Erythroplakia, pyogenic granuloma)	

• Viral infections • Bacterial infections • Fungal infections	
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General Surgery	General Medicine
1. Principles of wound closure	1. History
2. Informed Consent	2. Communication skills and counselling
3. Preoperative counselling for surgery	3. Breaking bad news
4. Wound Care and Asepsis	4. General Physical Examination including vital signs
5. Post Op care	5. Informed Consent
6. Principles of anesthesia and basic anesthesia skills	6. Clinical Cases (History, Clinical Examination, Lab investigations, counselling) • Anemia • Leukemia • Lymphoma • HIV • SLE • Pulmonary embolism • Hypersensitivity reaction and • Bleeding disorders
7. Hemorrhage, Shock & Blood Transfusion	
8. Varicose Veins	
9. Examination of an ulcer	

Table 5: Paper-I (Craniofacial II) MCQs Distribution

SNo	Subject	Total MCQs
1	Periodontology	20
2	Oral Pathology	42
3	Oral Medicine	17
4	General Medicine	8
5	General Surgery	8
6	Pre-Clinical Prosthodontics	7
7	Oral & Maxillofacial Surgery	14
8	Prime	4
Total		120

Table 6: Paper-I (Craniofacial II) OSPEs/OSCEs Distribution

SNo	Subject	OSPE/OSCE Craniofacial II
1	Periodontology	2
2	Oral Pathology	2
3	Oral Medicine	2
4	General Medicine	3
5	General Surgery	3
6	Operative Dentistry	2
7	Prosthodontics	2
8	Oral & Maxillofacial Surgery	2
9	PRIME	2
Total		20

*A minimum of 20 stations will be used in the final exam.

Total marks will be 120 (Each station will be comprised of 6 marks).

*Logbooks will be followed for OSPE/OSCE. Modules will be followed for Oral Pathology

Table 7: Paper-I Subject-Wise Content Distribution for OSCEs/OSPEs

Pre-Clinical Operative Dentistry	Pre-Clinical Prosthodontics	Oral and Maxillofacial Surgery
1. Composite class 3 cavity prep	1. Acrylic removable partial denture cases - History - Examination - Investigations - Problem list - Fabrication - Treatment plan	1. History of patient with trauma
2. Restoration of class 3		2. Local Anesthesia Armamentarium
3. Composite finishing and polishing procedure and armamentarium		3. Local Anesthesia Techniques - Maxillary Injection - Mandibular Injection Supplemental Injection Techniques
		4. Biopsy

Oral Medicine	Periodontology
1. History of Oro-facial pain	1. Area-Specific Gracey Curettes and Manual Scaling
2. Trigeminal nerve examination	
3. Facial nerve examination	2. Ultrasonic Scaling & Polishing
4. Clinical case management of syncope & seizure in dental chair	
5. Identification of equipment used in emergency (oro pharyngeal airway, AMBU bag, inhaler, drugs (epinephrine, steroids, dosage and use in emergency etc)	
6. Clinical cases (diagnosis, differentials, management plan) - Diseases of lips - Diseases of tongue - Premalignant lesions and conditions - Oral squamous cell carcinoma	

General Surgery	General Medicine
1. Malignancies of oral cavity	1. Clinical Cases (History, Clinical Examination, Lab investigations, counselling) • Headache • Trigeminal neuralgia (TN) • Giant cell arteritis (GCA) • Epilepsy • Cerebrovascular accident (CVA) • Guillain-Barré syndrome (GBS), metabolic bone disease • Acromegaly
2. Skin & sub-cutaneous lesions of the face	
3. Head Injury	
4. Non-Healing wounds	

Table 8: Paper-J (Cervicofacial II, Cardiopulmonary II, GIT&UGS II Modules) MCQs Distribution

SNo	Subject	Cervicofacial II	Cardiopulmonary II	GIT&UGS II	Total MCQs
1	Periodontology	7	3	4	14
2	Oral Pathology	10	-	-	10
3	Oral Medicine	5	3	7	15
4	General Medicine	7	10	10	27
5	General Surgery	8	4	10	22
6	Pre-Clinical Prosthodontics	4	4	7	15
7	Prime	2	3	4	9
8.	Oral and Maxillofacial Surgery	-	5	3	8
Total		43	32	45	120

Table 9: Paper-J (Cervicofacial II, Cardiopulmonary II, GIT&UGS II Modules) OSPEs/OSCEs Distribution

SNo	Subject	OSPE/OSCE		
		Cervicofacial II	Cardiopulmonary II	GIT & UGS II
1	Periodontology	1	1	1
2	Oral Pathology	1	x	x
3	Oral Medicine	1	1	x
4	General Medicine	1	1	1
5	General Surgery	1	1	1
6	Operative Dentistry	1	x	X
7	Prosthodontics	1	1	1
8	Oral & Maxillofacial Surgery	1	1	1
9	PRIME	1	x	x
Total		9	6	5

*A minimum of 20 stations will be used in the final exam.

Total marks will be 120 (Each station will be comprised of 6 marks).

*Logbooks will be followed for OSPE/OSCE.

Lab works in Modules will be followed for Oral Pathology

Table 10: Paper-J Subject-Wise Content Distribution for OSCEs/OSPEs

Pre-Clinical Operative Dentistry	Pre-Clinical Prosthodontics	Oral and Maxillofacial Surgery
1. Endodontic instruments	1. Cast partial Denture - case description (Model Based) - Surveying Procedure - CPD design - Abutment tooth selection - Abutment tooth preparation plan	1. Dental Management of a patient with systemic diseases (History, Recording blood pressure, dose management & consultation with medical specialist) - MI - HTN - Liver Disease - Diabetes - Renal Diseases - Asthma & COPD
2. Basic endodontic procedures (clarify)		2. Management of acute chest pain during extraction
		3. Management of patient at risk of Infective Endocarditis
		4. Management of vasovagal syncope
		5. Management of foreign body aspiration

Oral Medicine	Periodontology
Examination: - TMJ - Salivary gland - Cervical lymph node	1. Surgical Incisions & Flaps
Differential Diagnosis - Neck swellings - Trismus	2. Diagnosis, Management and Treatment Planning for Various Gingival & Periodontal Conditions
Sialography (identification and interpretation)	
Needle stick injury	
Clinical cases - Salivary gland disorders - Orofacial granulomatosis - Foreign body aspiration in dental chair - Chest pain in dental chair - Asthmatic attack in dental chair - Hyperventilation syndrome in dental chair - Anaphylaxis/ allergic reaction in dental chair	

• Patient with Hypoglycemia • Patient on Steroids requiring dental treatment • Patient with renal disease requiring dental treatment	
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General Surgery	General Medicine
1. Neck Swellings	Clinical Cases (History, Clinical Examination, Lab investigations, counselling) • Thyroid disorders • Meningitis • Parkinson's disease • Tetanus • Rheumatoid Arthritis, ankylosing spondylitis and other seronegative arthritides. • IHD • Heart failure • Hypertension • Valvular heart disease • Rheumatic heart disease • Infective endocarditis. • Asthma • COPD • Pneumonia • Tuberculosis • Bronchiectasis • Lung cancer
2. Thyroid Swelling	• Recognize drug interactions and precautions related to arthritis medications (NSAIDs, corticosteroids, DMARDs) during dental procedures.
3. Salivary Gland	• Interpret CXR of Pneumothorax, pleural effusion, consolidation, infiltrates, pulmonary edema, lung mass
4. Acute Abdomen & Abdominal Pain	• Interpret normal ECG. Waves, Rate rhythm etc
5. Obstructive Jaundice	• Recognize ECG changes of MI and Tachyarrhythmias
6. Abdominal & Inguinal Hernia	• Interpret ABGs and Pulmonary function tests

7. Thoracic Trauma	• Identify the main instruments present in cardiology and pulmonology ward e.g. ECG machine, defibrillator, nebulizer, nasal prongs, oxygen mask, NRM, venturi mask. air way, ETT, CVP etc
	• Perform Basic life support on manikin. • Identify high-risk patients requiring prophylactic antibiotics prior to dental procedures.
	• Assess cardiovascular risk before dental treatment in patients with hypertension and ischemic heart disease.