



## **QUETTA COLLEGE OF DENTISTRY**

### **Institutional Exam Cell**

**DATE: 1<sup>st</sup>, October, 2024**

#### **ASSESSMENT POLICIES AND METHODOLOGIES**

BDS students will be assessed in formative and summative pattern according to the NUMS format. The formative assessment being continuous for student's improvement feedback and motivation.

Summative assessment will be through Annual Professional examination, also will be the external assessment through university's Professional examinations that will determine the promotion to the subsequent year,

#### **1. Formative assessment policy**

QCD ensures that each medical student is provided with formative assessment early enough during each required course or clerkship to allow sufficient time for remediation. Formative assessment occurs at least at the midpoint of each required course or clerkship remediation. (no. of assessments of each subject is the responsibility of the concerned department and can vary depending on the need/ requirements of the subject outcomes.)

##### **a. Responsibilities**

HoDs are responsible for ensuring that students receive formative assessment in each required course or clerkship. The Dental Education Department and Curriculum Committee are responsible for compliance oversight and non-compliance follow-up.

##### **b. Procedures**

###### **Required Pre-Clerkship Courses**

- 1) Students will receive formative assessment by at least the mid-point of each required pre-clerkship course.
- 2) Students must have access to the HoD or their faculty designees throughout the course or module to solicit additional feedback regarding their performance.

- 3) Formative assessment includes, but is not limited to, quizzes, practice questions, and verbal feedback.

### **Required Clerkships**

- 1) A mid-clerkship review meeting must occur by approximately the midpoint of each required clerkship with the HoD or faculty designee.
- 2) Each HoD or faculty designee will provide mid-clerkship feedback in person to each medical student on the rotation at the midpoint for that clerkship and complete the mid clerkship review report which should include a review based on the clinical skills, attitude & knowledge identified in the curriculum.
- 3) In addition, the mid-clerkship review should include a review of the student's clinical log to ensure that the student is on track to meet all required diagnoses and procedures for that clerkship. If deficiencies are found, a plan will be developed with the student to ensure all requirements are met by the end of clerkship.
- 4) The HoD or faculty designee and student will sign the mid-clerkship review form at the end of the meeting.
- 5) Students must have access to the HoD or their faculty designee throughout the clerkship to solicit additional feedback regarding their performance.
- 6) This will include MINI-CEX, DOPS, log books and portfolios.

### **c. Monitoring**

- 1) The Curriculum Committee monitors module, course, and clerkship assessment methods annually to ensure students are provided with sufficient feedback on their performance.
- 2) The Curriculum Committee monitors clerkships for compliance on mid-clerkship and end-of-clerkship evaluation to ensure compliance with this policy.
- 3) Non-compliance is reported to the Principal and the Vice Principal of QCD.

## **2. Internal Assessment (weightage 20%)**

Scores from module exams, End of the block (EOB) exams, ward tests, end of clinical rotation test, OSCE/ OSPE and pre annual will contribute to the final scores of the students. These will contribute 20%, each for theory and practical, towards the cumulative score of 100% of the year.



		Practical copy etc)						
		Marks obtained	Marks obtained		Sign/ Date			
<b>Block-I</b>	Theory	15%	30%	10%			45%	
	Practical	15%	30%	10%			45%	
<b>Block-II</b>	Theory	15%	30%	10%			45%	
	Practical	15%	30%	10%			45%	
<b>Block-III</b>	Theory	15%		10%			30+45= 75%	
	Practical	15%		10%			30+45= 75%	
<b>Internal Assessment</b>	Continuous assessment + EOB exam+ Attendance + Pre annual = 15+30+10+45 = 100							
<b>Rationalize to 20 %</b>	Marks obtained/100 x 20							
<b>*Attendance</b>	≥ 90 % = 10, 85-89% = 9, 80-84% = 8, 75-79% = 7							

**HOD Signature:** \_\_\_\_\_ **Assistant Controller Signature:** \_\_\_\_\_

### 3. High Stakes assessments

They will be in the form of module exams, End of the block (EOB) exams, ward tests, end of clinical rotation, OSCE/ OSPE, pre annual and professional exams.

#### **4. Professional Examination (summative) (weightage=80%)**

A student shall fulfill the following conditions to be eligible to appear in a professional examination:

- 1) Registered in NUMS and has studied the prescribed courses in the academic year. Have at least 75% cumulative attendance in each subject at the end of academic year. Students' presence will be marked in all sessions. Has paid the prescribed examination fee. Has paid all college dues for the current academic year. Have no major disciplinary case during the current academic year.
- 2) NUMS professional examinations will be held only twice for all academic sessions  
i.e. Annual and Supplementary
- 3) There will be four professional examinations for BDS students
- 4) Professional examination will be conducted by NUMS at the end of the academic year. The examination will be subject based not system based.
- 5) The weighting of the professional examination will be 80 %, each for theory and practical, which will contribute towards the final scores of the subject
- 6) An aggregate of 50% in Theory and 50% in Practical of that subject will be declared pass in that subject.
- 7) The examination will comprise of a theory paper and practical/clinical examination as per PMC regulations and the approved assessment blueprint of NUMS.

##### **a. Theory paper**

- 1) Theory Paper of 100 marks shall be of 3-hours duration, held under the arrangements of the university. However, for 50 marks paper, it will be of 02 hours' duration
- 2) There will be 40 MCQs and 8-9 SAQs/SEQs in 80 Marks paper whereas for 150 Marks paper, there shall be 60 MCQs and 10 SAQs/SEQs in total. In 50 Marks paper, there shall be 20 MCQs and 06 SAQs/SEQs. The weightings of MCQ and SAQs/SEQs shall be the same i.e. 50:50 whatever the case may be.

- 3) Weightage of number of questions may be changed from time to time after the approval of Academic Council
- 4) Faculty will specify level of difficulty i.e. Recall and/ or Application for MCQs and SAQs/SEQs in assessment blue print.
- 5) Each MCQs shall have four options, 3 distractors and one correct answer)
- 6) Paper setting shall be done as per approved assessment blueprint
- 7) In unforeseen circumstances, it may be conducted online following all procedures, if approved by the academic council
- 8) **Promotion)** No student shall be promoted to the higher classes unless he/she passes all the subjects of the previous class.

**b. Practical / Clinical Examinations**

- 1) The Controller of Examiners will approve the faculty to serve as the internal & external examiners.
- 2) The number of external and internal examiners shall be equal. One external & one internal examiner each shall be allocated for a group of 100 students.
- 3) Practical/clinical examination shall be held after the theory examination of the subject but in special cases, it may be held before the theory examination with the approval of the Controller of Examinations.
- 4) Candidates may be divided into groups in the clinical and practical examinations
- 5) In practical examination, OSPE, Viva Voce or any other tool may be used as decided by Departmental Board of Studies.
- 6) In clinical examination, OSCE, long case, short case, Viva Voce or any other tool may be used as decided by Departmental Board of Studies
- 7) Practical and clinical examination shall be standardized by incorporating OSCE/OSPE stations.

- 8) Proposed assessment blue print for practical/ clinical exam is attached. However, it may be amended from time to time after approval from Departmental Board of Studies.
- 9) The assessment of the practical / clinical examination duly signed by internal & external examiner shall be furnished to the Controller of Examinations within one week of the conclusion of examination.
- 10) Conduct of practical examination/OSCE/OSPE is the responsibility of respective HOD as per NUMS guidelines k. Pass Marks

**c. Pass marks**

- 1) Pass marks for all subjects except Islamic / Pakistan Studies, shall be 50 % in theory and practical, separately.
- 2) Pass marks for Islamic / Pakistan Studies shall be 33 % which, however shall not be counted towards final scoring of the professional examination. Non-Muslims may opt for ethics instead of Islamic Studies. However, it is mandatory to pass Islamic Studies / Ethics and Pakistan Studies before final annual professional of MBBS/BDS
- 3) Result will be announced after the conduct of post exam analysis of students' scores on the exam and may be normalized based on the post hoc data
- 4) No grace marks shall be allowed to any student in any examination.

**d. Supplementary Examination**

The interval between a supplementary examination and the previous professional examination shall not be more than two months. There shall be no special supplementary examination.

**e. Withdrawal/ Failure.**

Any student who fails to clear the first Professional in BDS in four chances, availed or un-availed, shall be expelled as per PMC policy and shall not be eligible for fresh admission as a fresh candidate in either MBBS /BDS.

## **ASSESSMENT TOOLS**

MCQs and SEQs paper, viva/ practical examination. (OSPE, OSCE, TOACS with internal and external examiner)

OSPE (objective structured practical examination) for basic BDS subjects

OSCE (Objective structured clinical examination) for clinical BDS subjects

DOPS (directly Observation of procedural skills), Mini CEX for clinical departments. Each clinical department will display in their curriculum / study guides, the procedure to assessed formatively through these procedures.

BDS students will be assessed for cognitive / knowledge component by MCQs, SEQs (paper / online)

BDS students will be assessed for psychomotor and attitude component by OSPE, OSCE and DOPs and MINI CEX (either on clinical patients depending on availability or on simulated patients).

Student log books will be maintained to keep the record of patients seen or procedures done under supervision to mark the internal assessment at the end of the academic year.

Student assignments record will be maintained to mark the internal assessment at the end of academic year.

TOS of specifications of each subject given by NUMS is followed to assess knowledge, skill and attitude component.

Assessment methodology is aligned with educational strategy and outcomes.

### Structure for BDS Internal Assessment – Theory

<b>INTERNAL ASSESSMENT: 20%</b>			
<b>Exams</b>	<b>Weightings</b>	<b>Exams</b>	<b>Percentage</b>
<b>End of Block/ End of clinical rotation/ Pre-annual Exams</b>	80%	End of Block Exam – I	20
		End of Block Exam – II	20
		End of Block Exam – III	20
		Pre-Annual Exam	20
<b>Modular Exams/ Ward tests</b>	20%	Modular Tests	10
		Assignments	10
<b>Total</b>	<b>100%</b>		<b>100%</b>

*\* In case of clinical subjects, End of clinical rotation tests will be considered instead of End of Block examination*

### Structure for BDS Internal Assessment – Practical

<b>INTERNAL ASSESSMENT: 20%</b>			
<b>Exams</b>	<b>Weightings</b>	<b>Exams</b>	<b>Percentage</b>
<b>End of Block Pre-annual Exams</b>	80%	End of Block Practical/ OSPE/ OSCE	20
		End of Block Practical/ OSPE/ OSCE	20
		End of Block Practical/ OSPE/ OSCE	20
		Pre-Annual Exam	20
<b>Portfolio/ Log Book</b>	20%	1) SGD/ CBL/ PBL 2) Projects 3) Presentations 4) Students' Reflections	20
<b>Total</b>	<b>100%</b>		<b>100%</b>

## ASSESSMENT TOOLS

### Annual Professional Examination in BDS – Theory

<b>Assessment tool</b>	MCQs			SAQs/SEQs		
<b>Weightings</b>	50%			50%		
<b>Level of difficulty</b>	Recall / Application			Recall / Application		
<b>Total Time</b>	03 hours (2 hrs. for 50 Marks paper)					
<b>Paper Marks</b>	<b>Number</b>	<b>Time</b>	<b>Marks</b>	<b>Number</b>	<b>Time</b>	<b>Marks/ question</b>
<b>150</b>	60	1 hour 05 Min	1 Mark each	10	1 hour 55 Min	06
<b>100</b>	40	50 Min	1 Mark each	08 - 09	2 hours 10 Min	04 - 05
<b>50</b>	20	25 Min	1 Mark each	06	1 hour 05 Min	03 - 04

### Annual Professional Examination – Practical (BDS Basic Sciences)

	VIVA		OSPE	Total Marks	Internal Assessment	Grand Total
	Internal	External				
<b>100 Marks Paper</b>	20 marks	20 marks	40 marks	80 marks	20 marks	<b>100 Marks</b>
<b>150 Marks Paper</b>	30 marks	30 marks	60 marks	120 marks	30 marks	<b>150 Marks</b>

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**Brig. Muzammil Jamil Ahmed Rana**  
Comdt/ Dean, QCD