

ANNOOR DENTAL COLLEGE & HOSPITAL



Recognized by the Dental Council of India, New Delhi, Affiliated to Kerala University of Health Sciences & Recognized by Govt. of India

2.6.1 The Institution has stated the learning outcomes (generic and program-specific) and graduate attributes asper the provisions of the Regulatory bodies and the University; which are communicated to the students and teachers through the website and other documents

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METHODS OF THE ASSESSMENT OF LEARNING OUTCOMES AND GRADUATE ATTRIBUTES

SYLLABUS

for Courses affiliated to the

Kerala University of Health Sciences

Thrissur 680596



Bachelor of Dental Surgery [B.D.S]

Course Code 002

(2016-17 Academic year onwards)

2016

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सर्वे भवन्तु सुख्यिनः

3. EXAMINATIONS

3.1 Eligibility to appear for University examinations

a) Preface:

- i. Evaluation is a continuous process, which is based upon criteria developed by with certain objectives to assess the performance of the learner. This also indirectly helps in the measurement of effectiveness and quality of the concerned B.D.S. programme.
- ii. Evaluation is achieved by two processes
 - 1) Formative or internal assessment
 - 2) Summative or university examinations.

Formative evaluation is done through a series of tests and examinations conducted periodically by the institution.

Summative evaluation is done by the university through examination conducted at the end of the specified course.

b) Methods of evaluation:

Evaluation may be achieved by the following tested methods:

- i. Written test
- ii. Practical examination
- iii. Clinical examination
- iv. Viva voce

c) Eligibility criteria:

For a candidate to be eligible to write the university examination of an year of study for the first time he/she should have minimum 80% attendance in all the subjects in which examination is being held for the year of study and a minimum of 70% in Lectures and Practical/ Clinical separately in all the non-exam subjects for the year (Refer Section 1.8). However candidates with such 80% attendance in all the subjects of study for which university examination is held for a particular year will be eligible to attempt the university examination only in those subjects in which he/she has secured the minimum requirement of 40% of internal assessment marks. A candidate can reappear for university examination in the failed subjects provided he/she has secured minimum 70% attendance (theory & practical

separately) and have scored minimum 40% marks in internal assessment conducted for the subject during the supplementary period.

3.2 Schedule of regular/Supplementary examinations

The University examination for a subject shall be conducted twice in a year as per the schedule approved by the Board of Examinations at an interval of not less than four to six months as notified by the university from time to time.

3.3 Scheme of examination Showing Maximum and Minimum Marks

The scheme of examination for B.D.S. Course shall be divided into 1st B.D.S. examination at the end of the first, 2nd B.D.S. examination at the end of second, 3rd B.D.S. examination at the end of third and Final BDS Part I examination at the end of fourth academic year. The Final B.D.S part II examination will be held on completing six months of the fifth academic year. The examination shall be open to a candidate who satisfies the requirements of attendance, progress and other rules governing the institution and The University.

1. Distribution of Marks

i. For each paper in which written examination is held:

Theory	
University written examination	70
University Viva Voce	20
Internal assessment	10
Total	100
Practical/ clinical	
University Practical/ Clinical examination	80
Internal assessment	20
Total	100
Aggregate marks for each paper	200

ii. For Preclinical Examination in Prosthodontics/Conservative Dentistry & Orthodontics

Total	100
Internal assessment Practical	20
Viva voce	20
University Practical examination	60

preclinical examination in each subject is to be conducted separately.

Detailed mark distribution of each paper for each subject is given in Table below Distribution of marks in University examination and internal assessment for various subjects from first year to fifth year.

Year				Theo	ry Marks		Practica	l/ Clinical Mark	.s	Cuand
of Study	Su	bjects	Universi ty written	Viva Voce	Internal Assessment	Total	University examination	Internal Assessment	Total	Grand Total Marks
	General Anatomy including Embryology and Histology		70	20	10	100	80	20	100	200
	General Human	Section A Physiology	35	10	5	50	40	10	50	
I BDS	Physiology and Biochemistry	Section B Biochemistry	35	10	5	50	40	10	50	200
		my, Embryology l Histology	70	20	10	100	80	20	100	200
	General Pathology	Section A Pathology	35	10	5	50	40	10	50	200
	and Microbiology	Section B Microbiology	35	10	5	50	40	10	50	
	General and Dental Pharmacology and Therapeutics		70	20	10	100	80	20	100	200
II BDS	Dental	Section A Prosthodontics	35	10	5	50	40	10	50	
BD3	Materials	Section B Conservative dentistry	35	10	5	50	40	10	50	200
	Pre Clinical Conservative Dentistry		-	20	-	20	60	20	80	100
		Prosthodontics	-	20		20	60	20	80	100
	Pre Clinical	Orthodontics		20	-	20	60	20	80	100
	Genera	Medicine	70	20	10	100	80	20	100	200
III	Genera	al Surgery	70	20	10	100	80	20	100	200
BDS		ology & Oral obiology	70	20	10	100	80	20	100	200
	Oral Medicin	e and Radiology	70	20	10	100	80	20	100	200
Final		ontology	70	20	10	100	80	20	100	200
BDS part I	Orthodontic	s & Dentofacial opaedics	70	20	10	100	80	20	100	200
1		alth Dentistry	70	20	10	100	80	20	100	200
pt. I		cs & Crown and idge	70	20	10	100	80	20	100	200
Final BDS		e Dentistry and odontics	70	20	10	100	80	20	100	200
part II		& Preventive ntistry	70	20	10	100	80	20	100	200
1	Oral & Maxil	lofacial Surgery	70	20	10	100	80	20	100	200

3.4 Papers in each year

I B.D.S. Examination:

- i. General Anatomy including Embryology and Histology
- ii. General Human Physiology and Biochemistry
- iii. Dental Anatomy, Embryology and Oral Histology

II B.D.S. Examination:

Only a candidate who has successfully completed and passed all the 1st B.D.S. subjects can appear.

- i. General Pathology and Microbiology
- ii. General and Dental Pharmacology and Therapeutics
- iii. Dental Materials
- iv. Pre Clinical Conservative Dentistry(Only Practical and Viva)
- v. Pre Clinical Prosthodontics and Crown & Bridge (Only Practical and Viva)
- vi. Pre Clinical Orthodontics (Only Practical and Viva)

III B.D.S. Examination:

Only a candidate who has successfully completed and passed all the 2nd B.D.S. subjects can appear.

- i. General Medicine
- ii. General Surgery
- iii. Oral Pathology & Oral Microbiology

Final BDS - Part I Examination:

Only a candidate who has successfully completed and passed all the 3rd BDS subjects can appear.

- i. Oral Medicine and Radiology
- ii. Periodontology
- iii. Orthodontics & Dentofacial Orthopaedics
- iv. Public Health Dentistry

Final BDS - Part II Examination:

Only a candidate who has appeared for the Final BDS Part I examination can appear.

- i. Prosthodontics & Crown and Bridge
- ii. Conservative Dentistry and Endodontics
- iii. Oral & Maxillofacial Surgery
- iv. Paediatric & Preventive Dentistry

3.5 Details of theory examination (written)

- 1. The written examination in each paper will be of three hours duration and shall have maximum marks of 70. Type of Questions and Distribution of marks for written examination should be as given in **table I** given below.
- 2. The paper of Physiology & Biochemistry will be divided into two Sections, Section A (Gen. Physiology) and Section B (Biochemistry) of equal marks. Type of Questions and Distribution of marks for written examination should be as given in **table II** below.
- 3. The paper of Pathology & Microbiology will be divided into two Sections, Section A (Gen. Pathology) and Section B (Microbiology) of equal marks. Type of Questions and Distribution of marks for written examination should be as given in table III below.
- 4. The paper of Dental Materials will be divided into two Sections, Section A (Prosthodontics) and Section B (Conservative Dentistry) of equal marks. Type of Questions and Distribution of marks for written examination should be as given in table IV below.
- 5. The question paper should contain different types of questions like essay, short note and brief note.
- 6. The nature of questions should be aimed to evaluate students of different standards ranging from average to excellent.
- 7. The questions should cover as broad an area of content of the course as possible. The essay questions should be properly structured and the marks specifically allotted.

Table I.

Type of Questions	No. of Questions	Marks / Question	Total Marks
Structured Essay	2	10	20
Short note	4	5	20
Brief note	10	3	30
,	70		

Table II.

Physiology and Biochemistry

Subject	Type of	No. of	Marks of	Total
Subject	Questions	Questions	Questions	Marks
	Structured Essay	1	10	10
Section A	Short note	2	5	10
Physiology	Brief note	5	3	15
	Grand Total			35

Cubicat	Type of	No. of	Marks of	Total
Subject	Questions	Questions	Questions	Marks
	Structured Essay	1	10	10
Section B	Short note	2	5	10
Biochemistry	Brief note	5	3	15
	Grand Total			35

Table III.
Pathology and Microbiology

Subject	Type of	No. of	Marks of	Total
Subject	Questions	Questions	Questions	Marks
. 8	Structured Essay	1	10	10
Section A	Short note	2	5	10
Pathology	Brief note	5	3	15
3	G	rand Total		35

Cubicat	Type of	No. of	Marks of	Total
Subject	Questions	Questions	Questions	Marks
d.	Structured Essay	1	10	10
Section B	Short note	2	5	10
Microbiology	Brief note	5	3	15
Ψ,	(rand Total		35

Table IV. Dental Materials

Subject	Type of	No. of	Marks of	Total
Jubject	Questions	Questions	Questions	Marks
	Structured Essay	1	10	10
Section A	Short note	2	5	10
Prosthodontics	Brief note	5	3	15
	Grand Total			

Subject	Type of	No. of	Marks of	Total
Subject	Questions	Questions	Questions	Marks
Section B	Structured Essay	1	10	10
Conservative	Short note	2	5	10
Dentistry	Brief note	5	3	15
2 5.1.000.7	(Grand Total		35

3.6 Model question paper for each subject

Given as Annexure

3.7 Internal assessment

The internal assessment examinations in theory and practical/ clinical may be held at least twice in a particular year followed by a model examination in the pattern of university examination to be held at the end of the year of study. Internal assessment marks for a candidate in a subject will be calculated as the average of, marks obtained in the model examination and the highest among all other internal examinations, in the subject. This average mark will be reported to the University. The Heads of the Department and College Principal should ensure that the class average of internal assessment marks reported to the University in each subject/paper is not more than 75% in both theory and practical/clinical separately. For a student to be eligible to appear for the University examination he/she should have secured at least 40% of maximum marks in internal assessment for both theory and practical/clinical in all subjects/papers, separately (i.e. minimum 4/10 in theory and 8/20 in practical/clinical). (For calculating internal assessment mark in papers where subjects are combined viz. General Human Physiology & Biochemistry, General Pathology & Microbiology and Dental Materials, marks obtained in the two subjects will be counted together for reporting to University and for applying all other stipulations mentioned above)

3.8 Details of Practical/Clinical examinations

1. Objective Structured Clinical Evaluation:

The clinical /practical examination should include different procedures for the candidate to express one's skills. A number of examination stations with specific instructions to be carried out may be provided. This can include clinical procedures, laboratory experiments, spotters etc. Evaluation must be made objective and structured. The method of objective structured clinical examinations should be followed. This will avoid examiner bias because both the examiner and the examinee are given specific instructions on what is to be observed at each station.

2. Records/Log Books:

The candidate should be given credit for his records based on the scores obtained in the record. The marks obtained for the record in the first appearance can be carried over to the subsequent appearances if necessary.

3. Scheme of clinical and practical examinations:

The specific scheme of clinical/practical examinations, the type of clinical procedures/experiments to be performed and marks allotted for each are given in Scheme of examination for each subject (Section 2.6). Changes if any should be discussed and finalized by the Chairman and members of the board of examiners and to be published prior to the conduct of the examinations along with the publication of time table for practical examination. This scheme should be brought to notice of the external examiner as and when the examiner reports. The practical/clinical examinations should be evaluated by two examiners of which one shall be an external examiner appointed from other zones of the university or outside University. Each candidate should be evaluated by each examiner independently and marks computed at the end of the examination.

3.9 Number of Examiners (internal & external) and their qualifications

For practical/Clinical and Viva voce examination there shall be two examiners for each paper, one internal and one external, from Medical/ Dental Institutions approved/recognized by the Dental Council of India for B.D.S. Course. The internal examiner will be from within the institution. The external examiner can be from a different zone of the University or from outside University. When the number of candidates registered for a subject/s in a particular examination exceeds 75, two sets of examiners (one external & one internal each) may be appointed for the subject/s, such that the practical and viva examination for the first half of candidates may be conducted by one set of examiners and that of the remaining candidates may be done be the other set of examiners. No person shall be an External Examiner to the same college for more than 3 consecutive years. However, if there is a break of one year the person can be reappointed.

Note:

- 1) In case of Physiology and Biochemistry if Internal examiner is from Physiology, External examiner should be from Biochemistry and vice versa
- 2) In case of Pathology and Microbiology if Internal examiner is from Pathology, External examiner should be from Microbiology and vice versa
 In case of Dental Materials, if Internal examiner is from Prosthodontics, External examiner should be from Conservative Dentistry and vice versa

Qualification and experience to be eligible for examinership for BDS examination:

- 1) M.D.S. Degree in the concerned subject from a DCI recognized Institution.
- 2) Four years teaching experience in the subject after MDS in the concerned subject in a Dental College approved/recognized by the Dental Council of India for BDS.
- 3) Should be qualified as per DCI to hold the post of Reader or above in a Dental Institution approved/recognised by the Dental Council of India for B.D.S.
- 4) In case of medical subjects the qualification of examiners shall be the same as that prescribed by the Dental Council of India for the concerned subject.
- 5) Age not more than 65 years or as prescribed by DCI from time to time.

3.10 Details of Viva.

Viva voce is an excellent mode of assessment because it permits a fair broad coverage and it can assess the problem solving capacity of the student. An assessment related to the affective domain is also possible through viva voce. It is desirable to conduct the viva voce independently by each examiner. In order to avoid vagueness and to maintain uniformity of standard and coverage, questions can be pre-formulated before administering them to each student. Twenty marks are exclusively allotted for viva voce and that can be divided amongst the two examiners.