

Dayananda Sagar College of Dental Sciences Bengaluru

Methods of the assessment of learning outcomes and graduate attributes

Objectives:

- To involve the entire Department Faculty to participate in the assessment and grading of the student.
- To ensure transparency and to make student aware of his/her assessment on term basis.
- The overall assessment of each student will include:
- Examination process is an integral part of academic curriculum and absence from these will not be tolerated by the college and will be penalized in the form of fine.
- Syllabus for each examination will be informed to the students in advance.
- Usually the distribution of the syllabus for the internal examination is as follows:

Sl no.	Activities	% of Total Portions
1	1 st Internal Examination	30 - 35
2	2 nd Internals	60-70
3	3 rd Internals	100

Methods of assessment of BDS outcomes:

1. Theory internals
2. Practical internals
3. Clinical postings with posting end test in each department
4. University examinations- Theory, practicles, clinicals, Viva-voce

A. Internal Examinations

- Internal assessment examinations will be conducted in regular intervals to assess the status of the students.
- Evaluation of the answer sheets of the internal examinations will be done at the college level
- After the results, students will be given access to their evaluated answer sheets and discussion will be held to clear any queries and doubts to enhance their skills for subsequent evaluations.
- Student not performing up to the desired level in these exams may be detained from appearing in their university examinations

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Criteria for the internal assessment

Internal assessment of each student will be based upon following factors:

- Attendance
- Discipline
- Terminal examination marks
- End posting Viva / tutorials
- Clinical Performance
- Record Book
- Projects completed
- Seminars presented

B. University Examinations

- Final examination will be conducted by state university RGUHS at the end of the academic year.
- Students will be appearing in the examination at the centre allotted by the university.
- Evaluation of the answer sheets of these examinations will be done by the university.
- If student is not satisfied with the result he/she can apply through application for a copy of mark sheets.

Examination Pattern

Examination pattern for all the examinations will remain same as directed by the university.


All the internal and university examination will comprise of:

1. Theory examination
2. Practical examination

Criteria for Appearing in the Examinations

A. Theory examination

- Students are not allowed in any examination if their attendance is less than 75% in all subjects
- Student must report to examination hall 30 minutes before commencement of the examination.
- Later on, student will not be allowed to give the exam and will be considered as absent.


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B. Practical examination

- Students are not allowed in any examination if their attendance is less than 85% in all practical classes / clinical postings
- Student should be in proper uniform and must properly follow the sterilization protocols.
- All equipment must be properly clean & sterilized
- Log book must be complete and duly signed by the faculty member and Head of the department.

Marks distribution

University Examinations - Total marks for each subject is 200

A. Theory (100 marks)

- University written exam (70 Marks)
- Viva Voce (20 marks)
- Internal Assessment (10 marks)

B. Practical (100 marks)

- University Exam (90 marks)
- Internal Assessment (10 marks)

Methods of assessment of MDS outcomes:

A. Evaluation of

1. Academic activities attended
2. Seminars presented
3. Journal clubs presented
4. Case Presentations
5. Clinical work done
6. Teaching skills
7. Dissertation work
8. Log book for each year

B. Mock examinations

C. Basic paper university theory examination at the end of 1st MDS

D. University theory examinations at the end of 3rd year

E. Clinical examinations

F. Pedagogy

G. Grand viva


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Eligibility:

The following requirements shall be fulfilled by the candidate to become eligible for the final examination.

- Attendance: Every candidate shall secure (80% attendance during each academic year).
- Progress and conduct: Every candidate shall participate in seminars, journal review meetings, symposia, conferences, case presentations, clinics and didactic lectures during each year organized by the concerned department.
- Work diary and log book:

Every candidate shall maintain a work diary and log book as outlined below appended to these regulations for recording his or her participation in the training programmes conducted by the department. The work diary and log book shall be verified and certified by the Head of the Department of the institution. The certification of satisfactory progress is based on the work diary and log book.

Log Book

Table 1

Academic activities attended

Name:

Admission Year:

College:

Date	Type of activity (Specify Seminar, Journal club, Presentation, Under-graduate teaching)	Particulars

Table 2

Academic presentations made by the PG

Name:

Admission Year:

College:

Date	Topic	Type of activity (Specify Seminar, Journal club, Presentation, Under-graduate teaching)

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Table 3

Diagnostic and operative procedures performed

Name:

Admission Year:

College:

Date	Name	Op No.	procedure	

Dental Council of India (DCI) checklists for continuous evaluation of Postgraduate students:

Continuous Internal Evaluation (CIE) of post-graduate students is conducted by the staff of the departments based on the following checklists.

Schedule - I

Model checklist for evaluation of Journal Review Presentations

Name of the trainee:

Date:

Name of the faculty/observer:

Sl. No.	Items for observation during presentation	Poor 0	Below Average 1	Average 2	Good 3	Very Good 4
1.	Article chosen was					
2	Extent of understanding of scope and objectives of the paper by the candidate.					
3	Whether cross-references have been consulted.					
4	Whether other relevant publications consulted.					
5	Ability to respond to questions on the paper/subject.					
6	Audio-visual aids used.					
7	Ability to defend the paper.					
8	Clarity of presentation					
9	Any other observation.					
	Total score					

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Schedule - II

Model checklist for evaluation of Seminar Presentations

Name of the trainee:

Date:

Name of the faculty/observer:

Sl. No.	Items for observation during presentation	Poor 0	Below Average 1	Average 2	Good 3	Very Good 4
1.	Completeness and preparation					
2	Clarity of presentation					
3	Understanding of subject					
4	Whether other relevant publications consulted					
5	Whether cross-references have been consulted					
6	Ability to answer the questions					
7	Time scheduling					
8	Appropriate use of audio-visual aids					
9	Overall performance					
10	Any other observation.					
	Total score					

Schedule - III


**a) Model checklist for evaluation of clinical work in outpatient department
(to be completed once a month by respective unit heads including posting
in other department)**

Name of the trainee:

Date:

Name of the unit head:

Sl. No.	Items for observation during presentation	Poor 0	Below Average 1	Average 2	Good 3	Very Good 4
1.	Regularity of attendance					
2	Punctuality					
3	Interaction with colleagues and support staff					
4	Maintenance of case records					
5	Presentation of cases					
6	Investigations work up					
7	Chair-side manners					
8	Rapport with patients					
9	Overall quality of clinical work					
	Total score					


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b) Evaluation of clinical case presentation

Name of the trainee:

Date:

Name of the faculty/observer:

Sl. No.	Items for observation during presentation	Poor 0	Below Average 1	Average 2	Good 3	Very Good 4
1.	Completeness of history					
2	Whether all relevant points elicited					
3	Clarity of presentation					
4	Logical order					
5	Mentioned all positive and negative points					
6	Accuracy of general physical examination					
7	Diagnosis: whether it follows logically from history and findings					
8	Investigations required Complete list Relevant order Interpretation of investigations					
9	Ability to react to questioning: whether it follows logically from history and findings					
10	Ability to defend diagnosis					
11	Ability to justify differential diagnosis					
12	Others					
	Grand total					

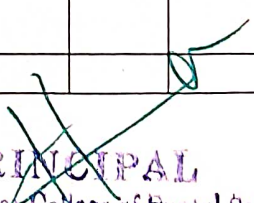
Schedule – IV

Model checklist for evaluation of teaching skill Name of the trainee:

Date:

Name of the faculty/observer:

Sl. No.	Items for observation	Poor 0	Below Average 1	Average 2	Good 3	Very Good 4
1.	Communication of the purpose of the talk					
2	Evokes audience interest in the subject					
3	The introduction					


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4	The sequence of ideas					
5	The use of practical examples and/or illustrations					
6	Speaking style (enjoyable, monotonous etc.)					
7	Attempts audience participation					
8	Summary of the main points at the end					
9	Asks questions					
10	Answers questions asked by the audience					
11	Rapport of speaker with the audience					
12	Effectiveness of the talk					
13	Uses audio-visual aids appropriately					

Schedule - V

Model checklist for dissertation presentation

Name of the trainee:

Date:

Name of the faculty/observer:

Sl. No.	Points to be considered	Poor 0	Below Average 1	Average 2	Good 3	Very Good 4
1.	Interest shown in selecting topic					
2	Appropriate review					
3	Discussion with guide and other faculty					
4	Quality of protocol					
5	Preparation of proforma					
	Total score					


Continuous evaluation of dissertation work by guide/co-guide

Name of the trainee:

Date:

Name of the faculty/observer

Sl. No.	Items for observation during observation	Poor 0	Below Average 1	Average 2	Good 3	Very Good 4
1.	Periodic consultation with guide/co-guide					
2	Regular collection of case					


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	material						
3	Depth of analysis/ discussion						
4	Quality of final output						
5	Others						
	Total score						

Schedule- VI
Overall assessment sheet

Date:

Sl. No.	Faculty member	Name of the trainee and mean score							
		A	B	C	D	E	F	G	H

Signature of Head of the Department
Principal

Signature of the

Key:

Faculty member: Name of the faculty doing the assessment

Mean score: Sum total of all scores of checklists

A,B, ...: Name of the trainee

Note: The overall assessment sheet used along with the logbook shall form the basis for certifying satisfactory completion of course of study, in addition to the attendance required.

Term Examination:

In addition, term exams are conducted at the end of the second year to evaluate the students' progress.

University Examination:

The university examination shall consist of theory, practical and clinical examination and viva-voce and pedagogy.

1. Theory:

a. Part I – Shall consist of one paper There shall be a theory examination in the Basic Sciences at the end of 1st year of course. The question papers shall be set

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and evaluated by the concerned Department/Specialty. The candidates shall have to secure a minimum of 50% in the Basic Sciences and shall have to pass the Part-I examination at least six months prior to the final (Part-II) examination.

- b. Part II – Shall consist of three papers
2. Practical and clinical examination
 3. Viva-voce
 4. Pedagogy

A candidate who wishes to study in a second speciality, shall have to undergo the full course of three years duration in that speciality.

Dissertation:

Every candidate appearing for the post-graduate degree examination shall at least six months prior to the examinations, submit with his form for examination, four typewritten copies of the dissertation undertaken by the candidate, prepared under the direction and guidance of his/her guide. The dissertation so submitted shall be referred to the examiners for their examination and acceptance of it shall be a condition precedent to allow the candidate to appear for the written part of the examination: Provided that a candidate whose dissertation has been accepted by the examiner, but declared failed at the examination, shall be permitted to re-appear at the subsequent examination without a new dissertation: Provided further that if the dissertation is rejected by the examiner, the examiner shall assign reasons therefore with suggestions for its improvement to the candidate and such candidate shall re-submit his/ her dissertation to the examiner who shall accept it before appearing in the examination.

Clinical/Practical Examination:

Clinical/practical examination is designed to test the clinical skill, performance and competence of the candidate in skills such as communication, clinical examination, medical/dental procedures or prescription, exercise prescription, latest techniques, evaluation and interpretation of results so as to undertake independent work as a specialist. The affiliating university shall ensure that the candidate has been given ample opportunity to perform various clinical procedures. The practical/clinical examination in all the specialities shall be conducted for six candidates in two days. Provided that practical/clinical examination may be extended for one day, if it is not complete in two days.

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Viva-Voce Examination:

Viva voce examination aims at assessing the depth of knowledge, logical reasoning, confidence and communication skill of the students.

Scheme of Examination:

Theory Part I Basic Sciences Paper 100 Marks

Part II

Paper-I 100 Marks

Paper-II 100 Marks

Paper-III 100 Marks

Total 300

Distribution of marks:

Theory (Total 400 Marks)

1. Part I University examination (100 Marks)

There shall be 10 questions of 10 marks each

2. Part II (3 papers of 100 Marks):

a. Paper I – 2 long essays of 25 marks each and 5 short essays of 10 marks each (100 Marks)

b. Paper II - 2 long essays of 25 marks each and 5 short essays of 10 marks each (100 Marks)

c. Paper III – 2 out of 3 essay questions (50 x 2 = 100 Marks)

Practical and Clinical Examination: (200 Marks)

Viva-Voce and Pedagogy (100 Marks)

Examiners:

Part I: One internal and one external examiner for three students appointed by the affiliating university for evaluating answer scripts of the same specialty.

Part II: Four examiners in each subject. Two (50%) external and two (50%) internal. Both external examiners shall be from a university other than the affiliating university and one examiner shall be from a university of different state.

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Qualification and Experience for Examiners:

The qualification and experience for appointment of an examiner shall be as under:

- shall possess qualification and experience of a Professor in a post-graduate degree programme;
- a person who is not a regular post-graduate teacher in the subject shall not be appointed as an examiner; • the internal examiner in a subject shall not accept external examinership in a college for the same academic year;
- no person shall be appointed as an external examiner for the same institution for more than two consecutive years. However, if there is a break of one year, the person can be re-appointed.

Examination Centre:

In the event of university exam being conducted in the same city or town having more than one post-graduate institution under the same university, one central examination centre shall be fixed by the university and the students from all the institutions of the city shall take the examination in that center: Provided that the clinical and viva-voice shall be conducted at their institute. Rotation of the institutions as center of examination shall be as per direction of the university.

Valuation of answer books:

Part I – Answer book/s shall be evaluated by the internal and external examiner/s.

Part II – Answer books shall be evaluated by four examiners, two internal and two, external and the average marks shall be computed.

Criteria for pass certificate:

To pass the university examination, a candidate shall secure in both theory examination and in practical/clinical including viva voce independently with an aggregate of 50% of total marks allotted (50 out of 100 marks in Part I examination and 150 marks out of 300 in Part II examination in theory and 150 out of 300, clinical plus viva voce together). A candidate securing marks below 50% as mentioned above shall be declared to have failed in the examination.

A candidate who is declared successful in the examination shall be granted a Degree of Master of Dental Surgery in the respective speciality.

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Methods of assessment of Graduate attributes:

1. Academic attributes Implementation and assessment:

- a. A planned curriculum is followed diligently to impart knowledge which includes student centric learning techniques along with didactic lectures.
- b. The postings in pre-clinical labs and clinics help them acquire hand-on experience in treating patients and become competent.
- c. Attending camps in rural areas, postings in satellite and peripheral centers, equip the students to treat patients in any setting independently, which also helps them learn community oral health perspective
- d. The under graduate students are also encouraged to take up short research projects which helps them to conceptualize evidence based solutions and sensitize them to research.

2. Professionalism and ethics Implementation and assessment:


- a. The institution conducts orientation day, white coat ceremony where topics pertaining to professionalism, ethics are dealt with in detail.

3. Community oral health perspective Implementation and assessment:

- a. Continuous dental education programs not only enhance knowledge on scientific topics but also on legal and social responsibilities of dental graduates.
- b. Apart from these, Camps, Special training programs and Oral health promotion activities are carried out to enhance the above skills.

4. Soft skills Implementation and assessment:

- a. Programs for improvement in soft skills are conducted every year where students hone their communication skills and learn about empathy and many other essential skills.


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