

FACULTY OF DENTAL SURGERY

SPECIFIC REGULATIONS FOR B.D.S. AND M.D.S. PROGRAMMES

55.0 SHORT TITLE AND COMMENCEMENT

55.1 These regulations shall be called "Specific Regulations for the Bachelor of Dental Surgery (B.D.S.) and Master of Dental Surgery (M.D.S.) programmes" of the Dr.MGR Educational and Research Institute, (Deemed University), Chennai.

55.2 As per the decision of the Academic Council, these regulations have been prepared by adopting the B.D.S. and M.D.S. regulations of the Dental Council of India.

SECTION –A

56.0 REGULATIONS FOR B.D.S. PROGRAMME

56.1 ELIGIBILITY FOR ADMISSION TO B.D.S. PROGRAMME

56.1.1 He/She shall complete the age of 17 years on or before 31st December of the year of admission to the B.D.S. course.

56.1.2 He/She has passed the qualifying examination as under.

a) The Higher Secondary Examination or the Indian School Certificate Examination which is equivalent to 10+2 Higher Secondary Examination after a period of 12 years of study, the last two years of study comprising of Physics, Chemistry Biology and Mathematics or any other elective subjects with English at a level not less than the core course for English as prescribed by the National Council for Educational Research and Training after the introduction of the 10+2+3 years educational structure as recommended by the National Committee on education.

Note: Where the course content is not as prescribed for 10+2 education structure of the National Committee, the candidates will have to undergo a period of one year pre-professional training before admission to the B.D.S. Programme

or

b) The Intermediate examination in Science of an Indian University/Board or other recognised examining body with Physics, Chemistry, and Biology which shall include a Practical test in these subjects and also English as compulsory subject.

or

c) The Pre-Professional/Pre-Medical Examination with Physics, Chemistry and Biology, after passing either the Higher Secondary School Examinations, or the Pre-University or an equivalent examination. The Pre-Professional/Pre-medical

examination shall include a Practical test in Physics, Chemistry and Biology and also English as a compulsory subject.

or

d) The first year of the three years degree course of a recognized university, with Physics, Chemistry and Biology including a Practical test in three subjects, provided the examination is a "University Examination" and candidate has passed 10+2 with English at a level not less than a core course.

or

e) Graduate Candidates should have qualified for B.Sc. degree of Indian University recognized by the Association of Indian Universities and accepted as equivalent by the Academic Council and Board of Management of this University subject to such conditions as may be prescribed therefore with one of the following subjects as major subject viz. Physics, Chemistry, Botany, Zoology and one other prescribed Science subject of study at least up to the ancillary level; provided that such candidates shall have passed the earlier qualifying examination (Higher Secondary Examination or an equivalent examination) with the subjects English, Physics, Chemistry, Biology/Botany and Zoology.

or

f) Any other examination which, in scope and standard is found to be equivalent to the Intermediate Science Examination of an Indian University/Board, taking Physics, Chemistry and Biology including Practical test in each of these subjects and English.

- 56.1.3 Wherever the State Board/Body of appropriate authority have taken into account only the Plus Two level marks to determine the class of the candidate and issue the statement of marks accordingly, it alone would be taken into consideration.
- 56.1.4 Candidates who have studied abroad, the equivalency of qualification as determined by the Association of Indian Universities shall from the guidelines to determine the eligibility and should have passed in the subjects of Physics, Chemistry, Biology (Botany/Zoology) and English up to the 12th Standard level with 50 % marks aggregate.
- 56.1.5 Any criteria not covered under the above provisions, the ruling of the Eligibility Committee shall be adopted.
- 56.1.6 Improvement of marks in the Higher Secondary Examinations: Candidates belonging to all categories who have passed the qualifying examination without acquiring the stipulated minimum academic requirements prescribed in the first appearance are permitted two opportunities for improvement within

one year of the first appearance in the qualifying examination for determining the eligibility for admission to the first B.D.S. Programme

56.1.7 Reappearance of failed candidates belonging to all categories, who have failed in the qualifying examination in the first appearance are permitted two opportunities within a period of one year following the first appearance in the qualifying examination, for passing of failed subjects to determine the eligibility for admission to the First B.D.S Programme

56.1.8 Candidates who have passed any qualifying examination other than the Higher Secondary Course examination conducted by the Government of Tamil Nadu shall obtain an eligibility certificate from the University by remitting the prescribed fees along with the application form before admission.

56.2 SELECTION OF CANDIDATES FOR B.D.S. PROGRAMME

Admission to the B.D.S. programme will be done from candidates on All India Basis by an Entrance Examination conducted by the University. However the candidates who have appeared for other approved entrance test will also be considered. Only those candidates who fulfill the eligibility criteria as per section 56.1 can appear for the entrance test.

56.3 REGISTRATION

A candidate admitted to the course shall register with this university by remitting the prescribed fees along with the application form for registration duly filled in within the stipulated date.

56.4 DURATION OF THE B.D.S. PROGRAMME

The undergraduate Dental Programme leading to B.D.S. degree shall be of 4 academic years, with 240 teaching days in each academic year, plus one year of Compulsory Rotatory Internship before the award of the B.D.S. degree.

56.5 COMMENCEMENT OF THE B.D.S. PROGRAMME

The B.D.S. Programme will be commenced on August 1st of an academic year after the selection of the candidates is completed.

56.6 ACADEMIC SYSTEM

The B.D.S. Programme will be following the annual system of examination for all the four years.

56.7 ACADEMIC TERMS

For B.D.S. Programme, the academic year is 1st August to 31st July.

56.8 SYLLABUS AND CURRICULUM FOR B.D.S. PROGRAMME

The syllabus and curriculum for the B.D.S. programme shall be as prescribed from time to time, by the Dental Council of India and approved by the Board of Studies and Academic Council of this university.

57.0 **SUBJECTS OF STUDY**

First Year

- (i) General Human Anatomy including Embryology and Histology
- (ii) General Human Physiology and Bio-Chemistry, Nutrition and Dietics
- (iii) Dental Anatomy, Embryology and Oral Histology
- (iv) Dental Materials
- (v) Pre-Clinical Prosthodontics and Crown & Bridge

Second Year

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

Third Year

- (i) General Medicine
- (ii) General Surgery
- (iii) Oral Pathology and Oral Microbiology
- (iv) Conservative Dentistry and Endodontics
- (v) Oral & Maxillofacial Surgery
- (vi) Oral Medicine and Radiology
- (vii) Orthodontics & Dentofacial Orthopaedics
- (viii) Paediatric & Preventive Dentistry
- (ix) Periodontology
- (x) Prosthodontics and Crown & Bridge

Fourth Year

- (i) Public Health Dentistry
- (ii) Periodontology
- (iii) Orthodontics & Dentofacial Orthopaedics
- (iv) Oral & Medicine & Radiology
- (v) Oral & Maxillofacial Surgery
- (vi) Conservative Dentistry and Endodontics
- (vii) Prosthodontics and Crown & Bridge
- (viii) Paediatric & Preventive Dentistry

Or

Part I

- Public Health Dentistry
- Periodontology

- Orthodontics & Dentofacial Orthopaedics
 - Oral medicine & Radiology
- Part II

- Oral & Maxillofacial Surgery
- Conservative Dentistry & Endodontics
- Prosthodontics and Crown & Bridge
- Paediatric & Preventive Dentistry

58.0 MIGRATION/TRANSFER OF CANDIDATES.

- a. Migration/Transfer of candidates from one recognized Dental College to this university or from another University shall be granted as per the recommendations of the Dental Council of India regulations.
- b. The provision of combination of attendance shall be granted to a transferee for admission to the examinations of this university on satisfying the Dental Council of India regulations.
- c. All migrations/transfers are subject to the approval of the Vice-Chancellor.

59.0 ATTENDANCE REQUIRED FOR ADMISSION TO EXAMINATIONS

- a. No candidate shall be permitted to any one of the Parts of B.D.S. examination unless he/she has attended the course in the subject for the prescribed period and produces the necessary certificates of study , attendance and satisfactory conduct from the Head of the Institution.
- b. A candidate is required to put in minimum of 80 % of attendance in both theory and Practical/clinical separately in each subject before admission to the examination.
- c. A candidate lacking in the prescribed attendance in theory and Practical/clinical, in any one subject, in the first, appearance shall not be permitted for admission to the entire examination.
- d. 80 % attendance for the additional period is compulsory.

60.0 REGULATIONS FOR CONDONING LACK OF ATTENDANCE.

Candidates with shortages of attendance up to a maximum of 10 % in the prescribed eligible attendance for admission to an examination rests with the discretionary powers of the Vice-Chancellor. A candidate lacking in attendance

shall submit an application in the prescribed form and remit the stipulated fee 15 days prior to the commencement of the theory examination. The Head of the Department should satisfy himself on the reasonableness of the candidate's request while forwarding the application with their endorsements to the Controller of Examination, who would obtain the Vice-Chancellor's approval for admission to the examinations. No application would be reviewed, if it is not forwarded through proper channel.

Condoning lack of attendance shall be taken up for consideration under the following circumstances.

- a. Any illness afflicting the candidate. (The candidate should submit to the Head of the Institution a Medical Certificate from a Registered Medical Practitioner soon after he/she returns to the Institution after treatment)
- b. Any unforeseen tragedy in the family. The parent/guardian should give in writing the reason for the ward's absence to the Head of the Department.
- c. Participation in NCC, NSS and other coordinated activities representing the Institution or University.
- d. Any other leave the Head of the Department deems reasonable for condoning.

61.0 RE-ADMISSION AFTER BREAK OF STUDY

- a. Candidate having a break of study of 5 years and above from the date of admission and more than two spells of break will not be considered for readmission.
- b. The Calculation of the break of study of the candidate to readmission shall be calculated from the date of first discontinuance of the course instead of from the date of admission.
- c. Candidates having break of study shall be considered for readmission provided that they are not subjected to any disciplinary action and no charges are pending or contemplated against them.
- d. All re-admissions of candidate are subject to the approval of the Vice-Chancellor.
- e. The candidates having a break of study below 6 months shall apply for readmission and condoning to the Registrar of this university, The candidate may be readmitted in the corresponding course of study at the commencement of the session and shall undergo a minimum period of study of 3 months and after fulfillment of the regulations of this university, be admitted for the examination. The candidates shall be granted exemption in the subjects they have already passed.

- f. The candidate having a break of study of 6 months and above but less than one year shall apply for readmission in the prescribed form and remitting the stipulated fee for condoning to the Registrar of this university. The candidates may be readmitted in corresponding course of study at the commencement of the session and shall undergo a minimum period of study of 3 months and after fulfillment of the regulations of this University, be admitted for the examination. The candidates shall be granted exemption in the subjects they have already passed.
- g. With regard to the candidates having break of study of one year and above but less than three years shall apply for readmission in the prescribed form and remitting the stipulated fee for condoning to the Registrar of this University. The candidates may be readmitted in the corresponding course of study at the commencement of the academic session and shall undergo one year of study and the candidates shall be granted exemption in the subjects that they have already passed.
- h. With regard to candidates having a break of study of three years but less than five years shall apply for re-admission in the prescribed form and readmitting the stipulated fee for condoning to the Registrar of this University. The candidates may be permitted to rejoin in the previous year of study which the candidates has discontinued as the case may be with the condition that these candidates will have to undergo the prescribed one academic year of study from the date of joining and will not be granted any exemption in any subject that they have already passed.

62.0 **SUBMISSION OF LABORATORY RECORD NOTE BOOKS**

At the time of Practical/clinical examination, each candidate shall submit to the examiners his/her laboratory note books duly certified by the Head of the Department as a bonafide record of the work done by the candidates.

The Practical record shall be evaluated by the concerned Head of the Department (Internal Evaluation) and the Practical record marks shall be submitted to the University 15 days prior to the commencement of the theory examinations.

The candidates may be permitted by the Examiners, to refer to the Practical note book during the Practical examination in the subject of Bio-Chemistry only. No other materials, hand-written cyclostyled or printed guides are allowed for reference during the Practical examinations.

In respect of failed candidates the marks awarded for records at previous examinations will be carried over for the subsequent examination or the candidates shall have the option to improve his performance by submission of fresh records.

63.0 INTERNAL ASSESSMENT

A minimum of four written examinations shall be conducted in each subject during an academic year and the average marks of three best performances shall be taken into consideration for the award of sessional marks.

A minimum of three Practical examinations shall be conducted in each subject during an academic year and an average of two best performances shall be taken into consideration for award of sessional marks.

A failed candidate in any subject should be provided an opportunity to improve his sessional marks by conducting a minimum of two examinations in theory and Practical separately and the average may be considered for improvement.

The internal assessment marks (both in written and Practical taken together) should be submitted to the University endorsed by the head of the institutions 15 days prior to the commencement of the theory examinations.

64.0 EXAMINATIONS

64.1 COMMENCEMENT OF EXAMINATIONS

August 1st for regular batch

February 1st for the supplementary examination for the failed candidates.

If the date of commencement falls on Saturdays, Sundays or declared public holidays, the examination shall begin on the next working day.

64.2 CUTOFF DATES FOR ADMISSION TO EXAMINATION

The candidates admitted up to 30th September of the academic year will be registered to take up their 1st year examination on 1st August of the next year after completing 240 working days.

64.3 METHOD OF EVALUATION

Evaluation is achieved by Two Processes.

Formative or Internal Assessment

Formative Evaluation is done through a series of tests and examinations conducted periodically.

Summative evaluation is done by the University through examinations conducted at the end of the specified course.

Evaluation will be achieved by the following tested methods.

1. Written test.
2. Practical
3. Clinical Examination
4. Viva Voce

64.4 SCHEME OF EXAMINATION

The scheme of examination for B.D.S. course shall be divided into 1st B.D.S. examination at the end of the first academic year, 2nd B.D.S. examination at the end of second year, 3rd B.D.S. examination at the end of third year and 4th and final B.D.S. at the end of 4th year. 240 days minimum teaching in each academic year is mandatory.

The examination shall be open to a candidate who satisfies the requirements of attendance, progress and other rules laid down by the University.

I. B.D.S. EXAMINATION:

1. General Anatomy including Embryology and Histology
2. General Human Physiology and Biochemistry
3. Dental Anatomy, Embryology and Oral Histology

Any student, who does not clear the first B.D.S. year end Examination in all subjects within 3 years from the date of admission, shall be discharged from the course.

Any candidate who fails in one subject in an Examination is permitted to go to the next higher class and appear for the subject and complete it successfully before he is permitted to appear for the next higher examination.

II B.D.S. EXAMINATION

A candidate who has not successfully completed the 1st B.D.S. Examination cannot appear in the II year Examination.

1. General Pathology and Microbiology

2. General and Dental Pharmacology and Therapeutics
3. Dental Materials
4. Pre Clinical Conservative – Only Practical and Viva Voce
5. Pre Clinical Prosthodontics – Only Practical and Viva Voce

Any candidate who fails in one subject in an Examination is permitted to go to the next higher class and appear for the subjects and complete it successfully before he is permitted to appear for the next higher examination.

III B.D.S. EXAMINATION

A candidate who has successfully completed the 2nd B.D.S. Examination can appear in the IIIrd B.D.S. examination

1. General Medicine
2. General Surgery
3. Oral Pathology and Oral Microbiology

Any candidate who fails in one subject in an Examination is permitted to go to the next higher class and appear for the subject and complete it successfully before he is permitted to appear for the next higher examination.

IV B.D.S. EXAMINATION

1. Public Health Dentistry
2. Periodontology
3. Orthodontics and Dentofacial Orthopedics
4. Oral Medicine and Radiology
5. Oral and Maxillofacial Surgery
6. Conservative Dentistry and Endodontics
7. Prosthodontics and Crown & Bridge
8. Paediatric & Preventive Dentistry

64.5 WRITTEN EXAMINATION

1. The written examination in each subject shall consist of one paper of three hours duration and shall have maximum of 70 marks.
2. In the subjects of Physiology & Biochemistry and Pathology & Microbiology each paper will be divided into two Parts. A and B of equal marks.
3. The question paper should contain different types of questions such as essays, short answer and small answers.

Part A 5 × 2 = 10

Part B 6 × 5 = 30

Part C	2×15	=	<u>30</u>
Total		=	<u>70</u>

4. The nature of questions set, should be aimed to evaluated students of different standards, ranging from average to excellent.
5. The questions should cover as broad an area of the content of the course. The essay questions should be properly structured and the marks specifically allotted.
6. A Question bank may be set up.

64.6 PRACTICAL AND CLINICAL EXAMINATION:

1. **OBJECTIVE STRUCTURED CLINICAL EVALUATION:** The clinical and Practical examination should provide a number of chances for the candidate to express skills. A number of examination stations with specific instructions should 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 examiners bias because both the examiner and the examinee are given specific instructions on what is to be observed at each station.
2. **RECORD /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 and Practical Examinations, the type of clinical procedures/experiments to be performed and marks allotted for each are to be discussed and finalized by the Chairman and other Examiners and it is to be published prior to the conduct of the examinations along with the publication of the time table for the Practical examinations, This scheme should be brought to the notice of the external examiner as and when the examiner reports. The Practical and clinical examinations should be evaluated by two examiners of which one shall be an external examiner appointed from other universities preferably outside the State. Each candidate should be evaluated by each examiner independently and marks computed at the end of the examination.
4. **VIVA - VOCE:** Viva - Voce is an excellent mode of assessment because it permits a fairly broad coverage and it can assess the problem solving capacity of the student. An assessment related to the effective 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 formulated before administering them to each student. Twenty marks are exclusively allotted for Viva - Voce and that can be divided equally amongst the examiners, i.e 10 marks per examiner.

64.7 MARKS DISTRIBUTION IN EACH SUBJECT:

Each subject shall have a maximum of 200 marks.

Theory	100
Practical/Clinical	100

Theory – 100		Practical/Clinical - 100	
Year end written exam	70	Year end/Exam	90
Viva Voce	20	Internal Assessment (Written)	10
Internal Assessment (Written)	10		
Total	100	Total	100

Practical and Viva-Voce only in University Examination

Pre-Clinical Prosthodontics

Pre-Clinical Conservative Dentistry

Internal Assessment-	20
Practical -	60
Viva Voce -	20
	100

64.8 CRITERIA FOR A PASS AND CLASSIFICATION OF SUCCESSFUL CANDIDATES.

Fifty Percent of the total marks in any subject computed as aggregate for theory, i.e written, Viva - Voce and internal assessment and Practical including internal assessment, separately is essential for a pass in all years of study.

For declaration of pass in a subject, candidate shall secure 50% marks in the year end examination both in theory and Practical/Clinical examinations separately, as stipulated below:

- A candidate shall secure 50 % marks in aggregate in theory including Viva – Voce and internal assessment obtained in year- end examination combined together

- In the year end Practical/Clinical examination, a candidate shall secure 50 % of Practical marks and Internal Assessment combined together
- In case of Pre Clinical Prosthetic Dentistry and Pre Clinical Conservative Dentistry in II B.D.S., where there is no written examination, minimum for pass is 50 % of marks in Practical and Viva Voce combined together in year-end examination including Internal Assessment i.e 50/100 marks
- Successful candidates who obtain 65 % of the total marks or more shall be declared to have passed the examination in First Class. Other successful candidates will be placed in Second class. A candidate who obtains 75 % and above is eligible for Distinction. Only those candidates who pass the whole examination in the first attempt will be eligible for distinction or class
- First Class and Distinction etc. shall be awarded as per respective rules.

64.9 GRACE MARKS

Grace marks up to a maximum of 5 marks may be awarded to students who have failed only in one subject but passed in all other subjects.

64.10 RE-EVALUATION

The objective of re-evaluation is to ensure that the student receives a fair evaluation in the year end examination and to minimize human error and extenuating circumstances. There shall be two mechanisms for this purpose.

1. Re-Totalling. On application and remittance of a stipulated fee, recounting or opportunity to recount the marks received for various questions in an answer paper/papers for theory of all subjects for which the candidates has appeared in the year end examination, shall be permitted. any error in addition of the marks awarded, if identified, should be suitably rectified.
2. Re-evaluation: Re-evaluation of theory papers in all years of study of the B.D.S. Course may be permissible on application and remittance of a prescribed fee. Such answer scripts shall be re-evaluated by not less than two duly qualified examiners and the average obtained shall be awarded to the candidate and the result accordingly reconsidered. If double evaluation provision exists, this provision of re-evaluation will not be applicable.

64.11 EXEMPTION FROM RE-EXAMINATION IN A SUBJECT

Candidates who failed in the examination but obtained pass marks in any subject shall be exempted from re-examination in that subject.

64.12 PAPER SETTING AND VALUATION

The year end theory examination question paper will be set by a panel of external examiners, constituted by the Controller of Examination and approved by the Vice - Chancellor, either within the State or outside the State

The Practical examination in each of the above subject will be conducted by internal as well as external examiners and the Practical marks should be submitted at the end of each day to the Chairman, Board of Examinations.

The theory papers in any of the subject will be valued by external examiners under central valuation system.

The Vice-Chancellor will constitute a committee to review the overall conduct of the examinations.

65.0 **COMPULSORY ROTATORY INTERNSHIP**

Every candidate will be required, after passing the final B.D.S. Examination, to undergo one year paid rotating internship. The Internship is compulsory and B.D.S. degree will be awarded after the completion of one year paid Internship.

65.1 PERIODS OF CRI

1. Oral Medicine & Radiology	-	1 month
2. Oral & Maxillofacial Surgery	-	1 ½ months
3. Prosthodontics	-	1 ½ months
4. Periodontics	-	1 month
5. Conservative Dentistry	-	1 month
6. Paedodontics	-	1 month
7. Oral Pathology & Microbiology	-	15 days
8. Orthodontics	-	1 month
9. Community Dentistry /Rural Services	-	3 months
10. Elective	-	15 days