

Ordinance No. 15
BACHELOR OF DENTAL SURGERY (B.D.S.)

1.0 AIMS

1.1 The dental graduates during training in the institutions should acquire adequate knowledge, necessary skills and such attitudes which are required for carrying out all the activities appropriate to general dental practice involving the prevention, diagnosis and treatment of anomalies and diseases of the teeth, mouth, jaws and associated tissues.

1.2 GOALS OF EDUCATION AND TRAINING:

Dental curriculum shall be oriented towards educating students of B.D.S. course to:

- 1.2.1 Take up the responsibilities of dental surgeon of first contact and be capable of functioning independently in both urban and rural environment.
- 1.2.2 Provide educational experience that allows hands-on-experience both in hospital as well as in community setting.
- 1.2.3 Make maximum efforts to encourage integrated teaching and de-emphasize compartmentalization of disciplines so as to achieve horizontal and vertical integration in different phases.
- 1.2.4 Offer educational experience that emphasizes health rather than only disease. Teach common problems of health and disease and to the national programs.
- 1.2.5 Use learner oriented methods, which would encourage clarity of expression, independence of judgement, scientific habits, problem solving abilities, self-initiated and self-directed learning.
- 1.2.6 Use of active methods of learning such as group discussions, seminars, role play, field visits, demonstrations, peer interactions etc., which would enable students to develop personality, communication skills and other qualities which are necessary.
- 1.2.7 Regular periodic assessment be done throughout the course. Examinations be designed with a view to assess not merely the knowledge but also practical and clinical skills, habits and values which are necessary for a graduate to carry out professional day to day work competently.
- 1.2.8 Establish a Dental Education Unit for faculty development, preparation of learning resource materials and for improving evaluation methods.
- 1.2.9 The graduate should also understand the concept of community oral health education and be able to participate in the rural health care delivery programs existing in the country.

2.0 OBJECTIVES:

2.1 The objectives are dealt under three headings namely, (a) knowledge and understanding, (b) skills, and (c) attitudes.

2.1.1 Knowledge and understanding: The graduate shall acquire the following during the period of training.

2.1.2 Adequate knowledge of the scientific foundations on which dentistry is based and good understanding of various relevant scientific methods, principles of biological functions and shall be able to evaluate and analyze scientifically various established facts and data.

2.1.3 Adequate knowledge of the development, structure and function of the teeth, mouth and jaws and associated tissues both in health and disease and their relationship and effect on the general state of health and also the bearing on physical and social well-being of the patient.

2.1.4 Adequate knowledge of clinical disciplines and methods, which provide a coherent picture of anomalies, lesions and diseases of the teeth, mouth and jaws and preventive, diagnostic and therapeutic aspects of dentistry. Adequate clinical experience required for general dental practice.

2.1.5 Adequate knowledge of biological function and behaviour of persons in health and sickness as well as the influence of the natural and social environment on the state of health so far as it affects dentistry.

2.2 SKILLS:

2.2.1 A graduate shall be able to demonstrate the following skills necessary for practice of dentistry.

2.2.2 Shall be able to diagnose and manage various common dental problems encountered in general dental practice, keeping in mind the expectations and the right of the society to receive the best possible treatment available wherever possible.

2.2.3 Acquire skill to prevent and manage complications if encountered while carrying out various dental surgical and other procedures.

2.2.4 Possess skill to carry out required investigative procedures and ability to interpret laboratory findings.

2.2.5 Promote oral health and help to prevent oral diseases wherever possible.

2.2.6 Competent in control of pain and anxiety during dental treatment.

2.3 ATTITUDES:

2.3.1 A graduate shall develop during the training period the following attitudes. Willing to apply current knowledge of dentistry in the best interest of the patients and the community.

- 2.3.2 Maintain a high standard of professional ethics and conduct and apply these in all aspects of professional life.
- 2.3.3 Seek to improve awareness and provide possible solutions for oral health problems and needs throughout the community.
- 2.3.4 Willingness to participate in the continuing education programs to update knowledge and professional skills from time to time.
- 2.3.5 To help and to participate in the implementation of national health programs.

3.0 COURSE STRUCTURE:

3.1 INFRASTRUCTURE:

The infrastructure like staff, equipment, instruments, materials, books and journals, space and clinical materials shall be as per the stipulations of Dental Council of India from time to time.

3.2 AGE :

He/she shall complete the age of 17 years on or before 31st December, of the year of admission to the BDS course.

3.3 ACADEMIC QUALIFICATION FOR ADMISSION :

3.3.1 He / she shall have passed qualifying examination as under :-

3.3.1.1 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 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 of 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 or 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 dental colleges;

Or

3.3.1.2 The intermediate examination in science of an Indian University/ Board or other recognized examining body with Physics, Chemistry and Biology which shall include practical tests in these subjects and also English as compulsory subjects.

Or

3.3.1.3 The pre-professional / pre-medical examination with Physics, Chemistry and Biology, after passing either the higher

secondary school examination, or the preuniversity or an equivalent examination. The preprofessional/ pre-medical examination shall include practical tests in Physics, Chemistry and Biology and also English as compulsory subjects.

Or

3.3.1.4 The first year of three year degree course of a recognized university, with physics, Chemistry and Biology including practical tests in three subjects provided the examination is a "University Examination" and candidate has passed 10+2 with English at a level not less than core courses.

Or

3.3.1.5 B.Sc. examination of an Indian University, provided that he/she has passed the B.Sc. examination with not less than two of the following subjects Physics, Chemistry, Biology (Botany, Zoology) and further that he/she has passed the earlier qualifying examination with the following subjects-Physics, Chemistry, Biology and English.

Or

3.3.1.6 Any other examination which, in scope and standard is found to be equivalent to the intermediate sciences examination of an Indian University/ Board, taking Physics, Chemistry and Biology including practical tests in each of these subjects and English.

3.4 ELIGIBILITY

3.4.1 The candidate must have passed in the subjects of Physics, Chemistry, Biology and English individually and must have obtained a minimum of 50% marks taken together in Physics, Chemistry & Biology at the qualifying examination and in addition must have come in the merit list prepared as a result of such competitive entrance test, by securing not less than 50% marks in Physics, Chemistry & Biology taken together **at the qualifying examination and in addition must have come in the merit list prepared as a result of competitive entrance examination conducted by Malwanchal University, Indore / any designated agency approved by Malwanchal University, Indore or as decided by the Statutory body , securing not less than 50% marks in Physics, Chemistry & Biology/Biotechnology taken together in competitive examination.**

In respect of candidates belonging to scheduled castes, scheduled tribes or any other categories notified by the Government, the marks obtained in Physics, Chemistry & Biology taken together in qualifying examination and competitive entrance test be 40% instead of 50% as stated above.

3.4.2 Provided that a candidate who has appeared in the qualifying examination the result of which has not been declared, he may be provisionally permitted to take up the competitive entrance examination and in case of selection for admission to the BDS course, he shall not be admitted to that course until he fulfills the ability criteria as per above regulations.

3.4.3 Marks obtained in Mathematics are not to be considered for admission to BDS course.

4.0 CRITERIA FOR SELECTION :

4.1 Students for Bachelor of Dental Surgery (BDS) course shall be selected strictly on the basis of their academic MERIT and on the basis of merit as determined by the competitive entrance test conducted as per direction of the Supreme Court/DCI& Medical Education Dept. Govt. of M.P. The Selection of students will be done as per guidelines & policy of Hon'ble Supreme Court/ GOI/DCI/Medical Education Department, Govt. of M.P.

4.2 The minimum percentage of marks for eligibility for admission to BDS courses shall be 50% for general category candidates & 40% for the candidates belonging to Schedule Caste & Schedule Tribe, obtained in Common Entrance examination or as prescribed by Statutory Body/Competent Authority.

5.0 CANCELLATION OF ADMISSION & DISCHARGE FROM THE COURSE:

Admission shall be cancelled and discharged from the course on the written orders of the Vice Chancellor if:

5.1 Any student who does not clear the first BDS University Examination in all subjects within 3 years from the date of admission.

5.2 Any student found to have obtained admission in fraudulent manner, if the documents furnished for gaining admission by any student are found to be forged/ false/ doctored at any stage of study.

5.3 If any student is found to be involved in serious breach of discipline.

6.0 MIGRATION:

6.1 Migration of the candidate from one Institute to other is not a RIGHT.

- 6.2 However, migration of student of BDS course under Malwanchal University to any other Recognized Institute in India or Students from any other Recognized Institute in India to Malwanchal University shall be governed by the Migration rules as laid down by Dental Council of India from time to time.

7.0 DURATION OF THE COURSE:

- 7.1 The undergraduate dental training program leading to BDS degree shall be of 4 academic years with 240 teaching days in each academic year and 12 months of compulsory paid rotatory Internship training.
- 7.1.1 Candidates shall be permitted to undergo Twelve months of compulsory paid rotatory Internship training only after passing of all the subjects in final BDS course and it shall be done in a recognized Dental College/Institution as per the prescribed rules and regulations as laid down by the University from time to time.
- 7.2 During this period, the student shall be required to have engaged in full time study.
- 7.3 Subjects of Study - First Year:
- 7.3.1 General Human Anatomy, Embryology, Osteology, Histology including Medical Genetics.
- 7.3.2 General Human Physiology and Biochemistry, Nutrition and Dietetics.
- 7.3.3 Dental Anatomy, Embryology and Oral Histology
- 7.3.4 Dental Materials
- 7.3.5 Pre-Clinical Prosthodontic and Crown and Bridge
- 7.4 Subjects of Study - Second Year:
- 7.4.1 General Pathology and Microbiology
- 7.4.2 General and Dental Pharmacology and Therapeutics
- 7.4.3 Dental Materials
- 7.4.4 Pre-clinical Conservative Dentistry
- 7.4.5 Pre-clinical Prosthodontics and Crown & Bridge
- 7.4.6 Oral Pathology & Oral Microbiology
- 7.5 Subjects of Study - Third Year
- 7.5.1 General Medicine
- 7.5.2 General Surgery
- 7.5.3 Oral Pathology and Oral Microbiology
- 7.5.4 Conservative Dentistry and Endodontics
- 7.5.5 Oral & Maxillofacial Surgery
- 7.5.6 Oral Medicine and Radiology
- 7.5.7 Orthodontics & Dentofacial Orthopedics
- 7.5.8 Pediatric & Preventive Dentistry

- 7.5.9 Periodontology
- 7.5.10 Prosthodontics and Crown & Bridge
- 7.5.11 Public Health Dentistry
- 7.6 Subjects of Study - Fourth Year
 - 7.6.1 Orthodontics & Dentofacial orthopedics
 - 7.6.2 Oral Medicine & Radiology
 - 7.6.3 Paediatric & Preventive Dentistry
 - 7.6.4 Periodontology
 - 7.6.5 Oral & Maxillofacial Surgery
 - 7.6.6 Prosthodontics and Crown & Bridge
 - 7.6.7 Conservative Dentistry and Endodontics
 - 7.6.8 Public Health Dentistry

- 8.0 COURSE COMMENCEMENT:
 - 8.1 The B.D.S. course shall commence with effect from 1st August of respective year or as per prevailing rules.
 - 8.2 The last date up to which students can be admitted against vacancies arising due to any reason shall be 30th September of respective year or as per prevailing rules.

- 9.0 EXAMINATIONS:
 - 9.1 Evaluation is a continuous process, which is based upon criteria developed by the concerned authorities 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.
 - 9.2 Evaluation is achieved by two processes.
 - 9.3 Formative or internal assessment: Formative evaluation is done through a series of tests and examinations conducted periodically by the institution.
 - 9.4 Summative or university examinations: Summative evaluation is done by the university through examination conducted at the end of the specified course.

- 10.0 METHODS OF EVALUATION: Evaluation may be achieved by the following tested methods:
 - 10.1 Written test
 - 10.2 Practicals
 - 10.3 Clinical examination
 - 10.4 Viva voce

- 11.0 INTERNAL ASSESSMENT EXAMINATION:

- 11.1 Minimum of 3 periodical internal assessment examinations shall be conducted in each subject.
 - 11.2 Average marks of three examinations shall be computed for the University examinations.
 - 11.3 The Internal assessment examinations shall be conducted in proper manner on the dates announced in the examination schedule prepared at Institution level.
 - 11.4 For repeater students, no amendment will be made in the final internal assessment marks once submitted in the university examination.
- 12.0 CRITERIA FOR A PASS:
- 12.1 To pass the examination in a subject, a candidate shall secure a minimum of 50 % of the total marks in any subject computed as aggregate for (A) theory, i.e., written, viva voce and internal assessment and (B) Practicals/Clinicals including internal assessment, separately and 50% in aggregate marks of A & B combined mentioned above.
 - 12.2 In case of Pre-clinical Prosthodontics and Crown & Bridge and Pre clinical conservative dentistry in II year BDS, where there is no written examination, minimum for pass is 50% of marks in Aggregate of Practical and Viva voce in University examination and Internal Assessment examination i.e. 50/100 marks.
 - 12.3 CLASS DECLARATION IN THE RESULTS :
 - 12.3.1 Class declaration is applicable to the candidates who are appearing for a whole (all the subjects) examination together in one and first attempt only.
 - 12.3.1.1 Second Class: Total Aggregate marks above 50% and below 65%.
 - 12.3.1.2 First class: Total Aggregate marks 65% and above and below 75%.
 - 12.3.1.3 Distinction class: Total Aggregate marks 75 % and above.
 - 12.3.2 Candidates as defined in (12.3.1) and who have passed the examination in any class and have secured marks of 75% & above in aggregate of individual subject/ subjects shall also be declared to have passed individual subject / subjects in DISTINCTION CLASS in the respective subject/subjects.
 - 12.3.3 Candidates, appearing all the papers together or individual subjects in second and subsequent attempts shall be declared to have passed the examination in Pass class. There shall be no provision for declaration of Second, First and Distinction class, if even they secure requisite marks.
 - 12.3.4 Grace Marks: Grace marks upto a maximum of 5 marks may be awarded to students who have failed only in one subject but passed in all

other subjects. However, the total marks obtained without grace marks shall not be altered.

12.4 MERIT LIST IN THE UNIVERSITY:

12.4.1 University shall declare the list of students in Merit of maximum of 5% of regular candidates appearing in the examinations, among Constituent Institution/Institutions.

12.4.2 In each professional examination of regular batch.

12.4.3 Overall Merit in the University based on aggregate of marks of all the professional examinations together.

12.4.4 Student passing the examination with grace marks shall not be considered forward of merit.

13.0 RE-TOTALING & RE-VALUATION:

13.1 Re-evaluation: The objective of re-evaluation is to ensure that the student receives a fair evaluation in the university examination and to minimize human error and extenuating circumstances. There shall be two mechanisms as prescribed by the Malwanchal University from time to time.

13.2 The facility of retotaling and revaluation shall be permissible only for written theory papers and not for Viva voce or Practical/ Clinical examinations.

13.3 The University on application and remittance of a stipulated fee as prescribed by the university, shall accord opportunity to recount the marks received for various questions in an answer paper/ papers for theory of all subjects for which the candidate has applied for recounting. Error, if any in totaling of the marks shall be suitably rectified and results modified if necessary.

13.4 Re-valuation of theory papers in all years of study of the BDS course shall be permissible by the university on application and remittance of a prescribed fee. Such answer scripts shall be re-valuated by not less than two duly qualified examiners and the average of marks obtained in revaluation shall be awarded to the candidate and the result accordingly reconsidered.

14.0 ATTENDANCE REQUIREMENT, PROGRESS AND CONDUCT:

14.1 Minimum of 75% in theory and 75% attendance in practical /Clinical separately in each subject.

14.2 In case of a subject in which there is no examination at the end of the academic year/semester, the percentage of attendance shall not be less than 70%. However, at the time of appearing for the professional examination in the subject, the aggregate percentage of attendance in the subject should satisfy condition (14.1) above.

14.3 The HOI shall certify the progress and conduct of the candidates based on the periodical assessment and monitoring.

15.0 EXAMINERS FOR THE UNIVERSITY EXAMINATIONS:

APPOINTMENT OF EXAMINERS

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

15.1 There shall be two examiners. One internal from within the University and one external from outside the university.

15.2 Both the examiners shall be appointed by the University.

15.3 Shall possess M.D.S/MD/MS/Ph.D., Degree in the concerned specialty from a recognized Institution.

15.4 Shall possess a minimum of 4 years teaching experience in the specialty after PG qualification in the specialty in a Dental College / Medical College approved / recognized by the DCI / MCI.

15.5 In the Medical subjects, examiners shall be preferably from among the teachers teaching respective Medical subject/ subjects in any Dental College approved / recognized by the DCI.

15.6 Should be holding the post of a Reader or Associate Professor or above in a Dental/ Medical Institution approved/ recognized by the DCI / MCI.

15.7 In case of General Human Physiology and Biochemistry, Nutrition and Dietetics, if Internal examiner is from Physiology, External examiner should be from Biochemistry or vice versa.

15.8 In case of General Pathology and Microbiology if Internal examiner is from Pathology, External examiner should be from Microbiology or vice versa.

15.9 In case of Dental Materials, if internal examiner is from Prosthodontics, external examiners should be from Conservative Dentistry or vice versa.

15.10 Reciprocal arrangement of Examiners should be discouraged, in that, the Internal Examiner in a subject should not accept external examinership for a College from which External Examiner is appointed in his subject for the corresponding period.

15.11 No person shall be an Examiner to the same subject / Institution for more than 3 consecutive years. However, if there is a break of one year, the person can be re-appointed. This provision may be relaxed with prior approval of Vice Chancellor.

16.0 SCHEME OF UNIVERSITY EXAMINATIONS:

16.1 The scheme of examination for B.D.S. course shall be divided into 1st.B.D.S. professional examination at the end of the first academic year, 2nd B.D.S. professional examination at the end of second year, 3rd B.D.S.

professional examination at the end of third, 4th BDS professional examination at the end fourth year.

- 16.2 There shall be two examinations in each academic year (Regular and Supplementary).
- 16.3 The examination shall be open to a candidate who satisfies the requirements of attendance, progress and other rules as laid down by the University.
- 16.4 A candidate failed (or not allowed to appear due to any reason) in one or more subjects examinations, is not entitled to be promoted to the next higher class till the candidate clears all the subjects of the concerned year.
 - 16.4.1 Any candidate not allowed to appear for examination due to shortage of attendance must make up the lagging attendance in the concerned subject to be eligible to appear in the next examination.

SUBJECTS IN EACH PROFESSIONAL EXAMINATION:

- 16.5 1st year B.D.S. Examination:
 - 16.5.1 General Human Anatomy, Embryology, Osteology, Histology including Medical Genetics.
 - 16.5.2 General Human Physiology and biochemistry, nutrition and dietetics
 - 16.5.3 Dental Anatomy, Embryology and Oral Histology
- 16.6 2nd year B.D.S. Examination:

A candidate who has not successfully completed the 1st B.D.S. examination cannot appear in the 2nd year B.D.S Examination.

 - 16.6.1 General pathology and Microbiology
 - 16.6.2 General and Dental pharmacology and therapeutics
 - 16.6.3 Dental Materials
 - 16.6.4 Pre-Clinical Conservative Dentistry - Only Practical and Viva Voce
 - 16.6.5 Pre-Clinical Prosthodontics & Crown & Bridge- Only Practical and Viva Voce
- 16.7 3rd Year B.D.S. Examination

A candidate who has not successfully completed the 2nd B.D.S. examination cannot appear in the 3rd year B.D.S. Examination.

 - 16.7.1 General Medicine
 - 16.7.2 General Surgery
 - 16.7.3 Oral Pathology and Oral Microbiology
- 16.8 4th Year B.D.S. Examination:

A candidate who has not successfully completed the 3rd B.D.S. examination cannot appear in the 4th year B.D.S. Examination.

 - 16.8.1 Oral Medicine and radiology
 - 16.8.2 Public Health Dentistry
 - 16.8.3 Orthodontics & dentofacial orthopaedics
 - 16.8.4 Periodontology

- 16.8.5 Prosthodontics and Crown & Bridge
- 16.8.6 Conservative Dentistry and Endodontics
- 16.8.7 Oral and Maxillofacial Surgery
- 16.8.8 Paediatric & Preventive Dentistry

17.0 SCHEME OF WRITTEN EXAMINATION:

- 17.1 The written examination in each subject shall consist of one paper of three hours duration and shall have maximum marks of 70. The paper shall contain Section A & B with 35 marks each.
- 17.2 In the subjects of General Human Physiology and Biochemistry, Nutrition and Dietetics, and Pathology & Microbiology each paper will be divided into two parts with Physiology in part A and Biochemistry in part B, similarly General Pathology in part A and Microbiology in part B with 35 marks each.
- 17.3 The nature of questions set, will be aimed to evaluate students of different standards ranging from average to excellent.
- 17.5 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.

18.0 SCHEME OF PRACTICAL / CLINICAL EXAMINATION:

Objective Structured Clinical Evaluation:

- 18.1 The clinical and practical examination should provide a number of chances for the candidate to express one's skills. A number of examination stations with specific instructions to 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.
- 18.2 **Record & Log Books:**
The candidate should be given credit for his/her records based on the scores obtained in the record. The marks shall form part of practical/clinical examination.

19.0 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 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 equally amongst the examiners, i.e., 10 marks per examiner.

20.0 MARKS DISTRIBUTION IN EACH SUBJECT:

Each subject in every year of B.D.S. shall have a maximum of 200marks, with theory being 100 marks and practicals / clinicals being 100 marks,except Preclinical Prosthodontics and Pre-clinical Conservative dentistry in 2nd B.D.S. which shall have a maximum of 100 marks respectively as practicals and viva voce only.

20.1 Theory:

DIVISION	MARKS
Theory written exam	70
Viva Voce	20
Theory Internal assessment	10
TOTAL	100

20.2 Practical / Clinical:

DIVISION	MARKS
Practical exam	90
Practical Internal assessment	10
TOTAL	100

20.3 Only practical and viva voce in university examinations:

Pre-clinical Prosthodontics & Crown & Bridge in 2ndB.D.S.:

DIVISION	MARKS
Practical Exam	60
Viva voce	20
Practical Internal assessment	20
TOTAL	100

20.4 In 1st year B.D.S., the subject General Human Physiology and biochemistry, nutrition and dietetics, shall have the following marks distribution for Physiology and Biochemistry respectively:

DIVISION	MARKS
Theory written exam	35
Viva Voce	10
Theory Internal assessment	5
TOTAL	50

DIVISION	MARKS
Practical exam	45
Practical Internal assessment	5
TOTAL	50

21.0 SCHEME OF WRITTEN PAPERS AND PRACTICAL/CLINICAL EXAMINATIONS IN VARIOUS SUBJECTS:

- 21.1 In theory written papers, each section A & B shall respectively have long essay questions and short notes.
- 21.2 In 1st year B.D.S., the subject General Human Physiology and biochemistry, nutrition and dietetic, section A shall be allotted to Physiology and section B to Biochemistry.
- 21.3 In 2nd year B.D.S., the subject General pathology and Microbiology, section A shall be allotted to General Pathology and section B to Microbiology.
- 21.4 All subjects shall have the following scheme:

22.0 QUALIFICATION AND EXPERIENCE OF TEACHING FACULTY:

Qualification and experience of various cadres of teaching faculty as prescribed by Dental Council of India from time to time shall be applicable to the Faculty in Dental Institutions of Malwanchal University.

23.0 TEACHING SCHEDULE:

The following are the minimum prescribed teaching hours in various subjects of BDS course as per DCI regulations:

S. NO.	SUBJECT	LECTURE HOURS	PRACTICAL HOURS	CLINICAL HOURS	TOTAL HOURS
1.	General Human Anatomy, Embryology, Osteology, Histology including Medical Genetics	100	175	-	275
2.	General Human Physiology	120	60	-	180
	Biochemistry, Nutrition and Dietetics	70	60	-	130
3.	Dental Materials	80	240	-	320
4.	Dental Anatomy, Embryology, and Oral Histology	105	250	-	355
5.	Dental Pharmacology and Therapeutics	70	20	-	90
6.	General Pathology	55	55	-	110
	Microbiology	65	50	-	115
7.	General Medicine	60	-	90	150
8.	General Surgery	60	-	90	150
9.	Oral Pathology and Oral Microbiology	145	130	-	275

S. NO.	SUBJECT	LECTURE HOURS	PRACTICAL HOURS	CLINICAL HOURS	TOTAL HOURS
10.	Oral Medicine and Radiology	65	-	200	265
11.	Paediatric & Preventive Dentistry	65	-	200	265
12.	Orthodontics & Dentofacial Orthopaedics	50	-	200	250
13.	Periodontology	80	-	200	280
14.	Oral & Maxillofacial Surgery	70	-	360	430
15.	Conservative Dentistry and Endodontics	135	200	460	795
16.	Prosthodontics & Crown & Bridge	135	300	460	895
17.	Public Health Dentistry	60	-	290	350
	TOTAL	1590	1540	2550	5680

24.0 CURRICULUM OF DENTAL INTERNSHIP PROGRAMME

- 24.1 The duration of Internship shall be one year.
- 24.2 All parts of Internship shall be done in a Dental College duly recognized / approved by the Dental Council of India for the purpose of imparting education and training to Dental graduates in the country.
- 24.3 The Interns shall be paid stipendiary allowance during the period of an internship not extending beyond a period of one year.
- 24.4 The internship shall be compulsory and rotating as per the regulations prescribed for the purpose.
- 24.5 The degree-BDS shall be granted after completion of internship.
- 24.6 Determinants of Curriculum for internship for Dental Graduates:
The curricular contents of internship training shall be based on:
 - 24.6.1 Dental health needs of the society.
 - 24.6.2 Financial, material and manpower resources available for the purpose.
 - 24.6.3 National Dental Health Policy.
 - 24.6.4 Socio-economic conditions of the people in general.
 - 24.6.5 Existing Dental as also the primary health care concept for the delivery of health services.
 - 24.6.6 Task analysis of what graduates in Dentistry in various practice settings, private and government service actually perform.

- 24.6.7 Epidemiological studies conducted to find out prevalence of different dental health problems, taking into consideration the magnitude of dental problems, severity of dental problems and social disruption caused by these problems.
- 24.7 Objectives
 - 24.7.1 To facilitate reinforcement of learning and acquisition of additional knowledge:
 - 24.7.1.1 Reinforcement of knowledge.
 - 24.7.1.2 Techniques & resources available to the individual and the community; Social and cultural setting.
 - 24.7.1.3 Training in an phased manner, from a shared to a full responsibility.
 - 24.7.2 To facilitate the achievement of basic skills: attaining competence vs. maintaining competence in:
 - 24.7.2.1 History taking.
 - 24.7.2.2 Clinical Examination.
 - 24.7.2.3 Performance and interpretation of essential laboratory data.
 - 24.7.2.4 Data analysis and inference.
 - 24.7.2.5 Communication skills aimed at imparting hope and optimism in the patient.
 - 24.7.2.6 Attributes for developing working relationship in the Clinical setting and Community team work.
 - 24.7.3 To facilitate development of sound attitudes and habits:
 - 24.7.3.1 Emphasis on individual and human beings, and not on disease/symptoms.
 - 24.7.3.2 Provision of comprehensive care, rather than fragmentary treatment.
 - 24.7.3.3 Continuing Dental Education and Learning of accepting the responsibility.
 - 24.7.4 To facilitate understanding of professional and ethical principles:
 - 24.7.4.1 Right and dignity of patients.
 - 24.7.4.2 Consultation with other professionals and referral to seniors/institutions.
 - 24.7.4.3 Obligations to peers, colleagues, patients, families and Community.
 - 24.7.4.4 Provision of free professional services in an emergent situation.
 - 24.7.5 To initiate individual and group action, leading to disease prevention and dental health promotion, at the level of individuals, families and the community.
- 24.8 Content (subject matter):

The compulsory rotating paid Dental Internship shall include training in:

- 24.8.1 Orthodontics & Dentofacial orthopedics
- 24.8.2 Oral Medicine & Radiology
- 24.8.3 Paediatric & Preventive Dentistry
- 24.8.4 Periodontology
- 24.8.5 Oral & Maxillofacial Surgery
- 24.8.6 Prosthodontics and Crown & Bridge
- 24.8.7 Conservative Dentistry and Endodontics
- 24.8.8 Public Health Dentistry
- 24.8.9 Oral Pathology and oral microbiology

24.9 General Guidelines:

24.9.1 It shall be takes oriented training. The interns should participate in various institutional and field programmes and be given due responsibility to perform the activities in all departments of the Dental Colleges and associated institutions.

24.9.2 To facilitate achievement of basic skills and attitudes the following facilities should be provided to all dental graduates:

- 24.9.2.1 History taking examination, diagnosis, charting and recording treatment plan of case presentation of cases in a group of Seminar.
- 24.9.2.2 Care and sterilization of instruments used.
- 24.9.2.3 Performance and interpretation of essential laboratory tests and other relevant investigations.
- 24.9.2.4 Data analysis and inference.
- 24.9.2.5 Proper use of antibiotics, anti-inflammatory and other drugs, as well as other thereapeutive modalities.
- 24.9.2.6 Education of patients, their relatives and community on all aspects of dental health car while working in the institution as also in the field.
- 24.9.2.7 Communication aimed at inspiring hope, confidence and optimism.
- 24.9.2.8 Legal rights of patients and obligations of dental graduate under forensic jurisprudence.

24.10 Elective Posting:

The interns shall be posted for 15 days in any of the dental departments of their choice mentioned in the foregoing.

24.11 Departments of Postings:

- 24.11.1 Oral Medicine and Radiology
- 24.11.2 Paediatric & Preventive Dentistry
- 24.11.3 Orthodontics & Dentofacial Orthopaedics

- 24.11.4 Periodontology
- 24.11.5 Oral & Maxillofacial Surgery
- 24.11.6 Conservative Dentistry and Endodontics
- 24.11.7 Prosthodontics & Crown & Bridge
- 24.11.8 Public Health Dentistry
- 24.11.9 Oral Pathology & Oral Microbiology
- 24.11.10 Elective