

**MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES,**  
**NASHIK**

**SYLLABUS SECOND B.D.S.**

**Candidate will be examine in the following subjects :**

- 1. General Pathology, Microbiology and Parasitology**
- 2. General and Dental Pharmacology**
- 3. Oral and Dental Anatomy, Physiology, Histology & Embryology**
- 4. Preclinical Prosthodontics (Practicals)**
- 5. Preclinical Conservative Dentistry (Practicals)**

**Subject 1: General Pathology, Microbiology and Parasitology**

**A. General Pathology**

Lectures -	45 Hours
Practicals and demonstration	60 Hours
Total Duration	105 Hours (Minimum)

I. Introduction to Pathology, definition, branches, scope of Pathology, scientific study of disease and some techniques used in the same.

2. Degenerative processes and disturbances of metabolism. Cloudy swelling," Fatty changes, Amyloidosis, Hyaline degeneration, Pigmentation, Calcification

Necrosis, Gangrene.

Circulatory Disturbances.

Hyperaemia, Venous congestion, Ischaemia, Infarction, Hemorrhage, Thrombosis, Embolism, Oedema, Shock.

3. Inflammation, Response of soft and hard tissues to injuries.

Acute inflammation

Chronic inflammation

Repair with special emphasis of repair of bones, wounds and the effect of modern treatment on repair.

Hypersensitivity and Allergy

4. Common Bacterial infection i.e. Pyogenic, Enteric fever, Tuberculosis, Syphilis,

Leprosy, Actinomycosis.

5. AIDS
6. Common diseases of bone like osteomyelitis  
Effects of Chemical, Physical agents including ionising radiation especially on bones and teeth.
7. Disturbances of nutrition with special reference to Indian conditional Metabolic disorders e.g. Rickets, Scurvy, Diabetes Mellitus etc.
8. Growth and its disorder.  
Metaplasia, Atrophy, Hypertrophy  
Elementary knowledge of malformation and maldevelopment  
Tumour  
Classification  
Characters of malignant and Benign Tumour  
Carcinogenesis  
Methods of spread  
Diagnostic methods in cancer
9. Anaemias i.e. Irondeficiency, Megaloblastic, Haemolytic, Bleeding disorder and their laboratory investigations, leukaemia.

## **B. Microbiology**

Lectures	30 hours
Practicals	60 hours
Total Duration	90 hours (Minimum)

1. Introduction with reference to Medical and Dental microbiology including public health and preventive aspects of infections.
2. Methods and Principles of sterilization-physical and chemical.
3. Pyaemia, Septicemia.& Toxaemia.
4. Immunity and Immunising agents.
5. Auto-immunity-emphasis on practical application.

6. Morphology, Laboratory diagnosis, Physiology, Characteristics, Pathogenesis and classification of micro organisms particularly the followings.
  - a) Gram positive and negative cocci and bacilli in dental and general infections.
  - b) Spirochetal oral infections.
  - c) Normal oral microbial flora.
  - d) Organism causing specific infections such as meningitis, diphtheria, tetanus, gas gangrene, Tuberculosis, syphilis,
  - e) Organisms related to Dental caries.
7. Methods of taking swabs and smears from various oral regions and their staining.
8. Elementary knowledge of virology and mycology with examples of Orofacial lesions.
9. Common parasites and parasitic diseases such as amoebiasis, Malaria, Helminthic infections such as Tapeworm, Hookworm Roundworm
10. AIDS, Hepatitis, Biosefty and waste disposal.

### **PRACTICALS & DEMONSTRATIONS**

Lecture Demonstration and practicals in Clinical Pathology comprising of Anemias and their laboratory investigations, Blood transfusion and cross matching, Bleeding disorders and their investigations.

Laboratory investigations commonly required by Dental Surgeons

- a) Hemoglobinometry and Hemocytometry, Total leucocytes count.
- b) Iron deficiency anemia, Megaloblastic.
- c) Preparation of Blood Smears and staining them or differential count.
- d) Demonstration of Bleeding time, Clotting time.
- e) Leukaemia, Acute and chronic.
- f) Blood groups and blood transfusion. Exam. of Urine.
- g) Microscope, its various parts, Micrometry, care of microscope.
- h) Gram's staining and Ziehl- Neeilsen's staining.
- i) Histopathology, practicals and specimans, demonstrations.

## EXAMINATIONS PATTERN

I : Theory (Written) paper shall be of three hours duration.

Theory paper shall have three parts A, B & C.

### **Section A: MCQ.**

Multiple choice questions of 20 marks.

20 questions shall include 10 questions of General pathology and 10 General Microbiology.

### **Section B: General Pathology**

Q.No.1 : Short answer question. (SAQ)

Five short questions carrying two marks each 10 marks.

Q.No.2: One Long answer question or 2 short notes (5 x 2) 10 marks

### **Section C: Microbiology**

Q.No.3: Short answer question. (SAQ)

Five short questions carrying two marks each 10 marks.----- 10 Marks

Q.No.4 One long answer question or 2 short notes (5 x 2)- ----- 10 marks

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II: Practicals	MAXIMUM : 80 Marks
Clinical pathology	20 Marks
Histopathology(2 slides X 5)	10 Marks
Microbiology Staining (any One)	20 Marks
Spotting (10 spot X 2)	20 Marks
Journal (Micro & Patho)	10 Marks
Oral (Marks to be added to Practical)	20 Marks
III : Internal Assessment	
Theory+Practical	20 Marks each

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## **Subject 2 : General & Dental Pharmacology**

Duration of syllabus

40 Hrs (Minimum)

1) General Pharmacology

- Scope
- Nature & Sources
- Dosage form & routes of administration
- Prescription writing
- Pharmacokinetics
- Mode of Action
- Factors modifying drug action
- Adverse drug reaction
- Drug Interaction

2) CNS

- General Anaesthetics
- Hypnotics
- Analgesics
- Psychotropics
- Antiepileptics
- Anesthetics
- Local Anaesthetics

3) ANS

- Sympathomimetic
- Anti adrenergic drug
- Parasympathomimetics
- Parasympatholytics
- Histamine
- Antihistaminics

4) CVS

- Cardiac stimulant(Glycosides)
- Anti anginal drugs
- Anti hypertensive drugs
- Vasopressors & Treatment of shock

5) Drug acting on blood

- Coagulants
- Anti coagulants

- Haematinics..
- 6) G.I.T.Drugs
  - Purgatives
    - Anti diarrheals
    - Antacids
    - Anti emetics
- 7)Endocrines
  - Treatment of diabetics
  - Adrenal Corticosteroids
- 8) Chemo therapy
  - Sulfonamides & cotrimoxazole
  - Penicillins
  - Cephalosporins
  - Aminoglycosides
  - Broad spectrum antibiotics
  - Other antibiotics
  - Fluroquinolones
  - Chemotherapy of tuberculosis  
leprosy, malignancy, Malaria &  
Amoebiasis Antihelminthic
  - Antiviral
- 9) Vitamins & Anti oxidants
- 10) Misc. drugs
  - Diuretics
  - Heavy Metal antagonists

### **Dental Pharmacology & Thearapeutics**

- Antiseptics
- Astringents
- Obtundant, Mummifying agents
- Bleaching agents
- Dentifrices & Mouthwashes
- 11) Respiratory system : Cough & Bronchial asthma

**PRACTICALS .20 HOURS DURATION. (MINIMUM)**

1) Prescription Writing and weights, measures, instruments

2) Antiseptic Mouthwash

3) Obtundant Preparation

4) Gum Paint

5) Tooth Powder

6) Tooth Paste

7) Lotion

8) Display of Trade Market Combination

-Mention	} Only for training and not for University Examination
-Therapeutic action	
-Toxic actions	
-Contraindications	
-Indications	

9) Criticism & Correction of Prescription on basis of drug interaction.

10) Drugs of Choice.

**EXAMINATION PATTERN :**

Theory (Written ) Paper: Maximum 60 Marks Duration : 3Hours

Section -A- MCQ (20 Question) 20 Marks

**Section - B**

Q .1 Short Answer Question (SAQ) 10 Marks

Q.2. One Long question/ 2 Short Notes (2 x 5) 10 Marks

**Section -C**

Q.3 Short Answer Question (SAQ) 10 Marks

Q. 4 One Long Question /2 Short Notes (2x5) 10 Marks

**ORALS:**

GRAND ORAL FOR 20 MARKS, to be added to Practical. It is conducted separately by examiners and submitted in a separate sheet as per the proforma supplied by University (Appendix -F)

**PRACTICAL:** Maximum 80 marks.

Distributions is as under:

- a) Pharmacy Practical - 25 marks
- b) Correction of wrong prescription - 25 marks
- c) Drug of choice & Dose (5 Drugs x 4) - 20 marks.
- d) Journals /Record book - 10 marks.

**Subject : 3 ORAL AND DENTAL ANATOMY, PHYSIOLOGY,**

**HISTOLOGY & EMBRYOLOGY**

A Course of 150 Hrs. lectures and Practicals including demonstrations and tooth carving to be covered in two academic years.

**A. Lectures: 45 Hours {Minimum}**

1. Development including mineralization, histology, applied anatomy age changes, functions and stress on clinical significance from the view point of histology and embryology etc. of the following:

- a) Structures of teeth (ENAMEL. DENTINE. CEMENTUM. & PULP)
  - b) Periodontal ligament.
  - c) Jaws .
  - d) T. M. Joint.
  - f) Face
  - g) Oral mucosa
  - h) Salivary glands.
- 2) Active and passive eruption of teeth and shedding of Primary teeth.
- 3) Preparation of hard-soft tissue sections for histological Examination.
- 4) Applied Anatomy of: -
- a) Blood and nerve supply with lymphic drainage of Oral Tissues.
  - b) Muscles of Mastication and Facial. expression.



- 5) Detail Morphology. Chronology. Occlusion (including its controlling factors) of primary & permanent dentitions. Differences between primary and permanent dentitions.
- 6) Physiology of mastication, deglutition, speech and sensation with their relevance to oral structures.
- 7) Composition & Physiology of Saliva and their influencing factors.
- 8) Chemical composition and Physical properties of enamel dentine, cementum & bone.
- 9) Broad outline of bio-chemistry of oral tissues.

### **B) Examination (Theory Pattern)**

Written -Theory -Paper shall be of 3 hours duration of maximum 60 marks.

#### **Section A: MCQ --- 20 Marks.**

20 questions shall be answered by students in a separate answer sheet within first 20 minutes. This answer sheet to be collected by invigillator immediately after 20 minutes completion.

#### **Section B & C : 20 Marks each.**

Q.No.1            S.A.Q. 5 SAQ x 2 Marks each            -10Marks

Q.No.2            L.A.Q. 1 Essay type Or 2 Short Notes            -10 Marks

Section B should cover syllabus of topics No. 1,2,3, & 4

Section C should include the rest of the syllabus.

### **C. PRACTICALS**

I) Demonstration of Various methods of Histological preparation of

a) Oral soft tissues

b) Ground decalcified Sections of teeth and Jaws

2) Brief introduction to Microscope and Microscopy

3) Microscopic study (Histological and Histochemical) of normal oral and dental tissues and their drawing in Journals. .

- 4) Identification of teeth
- 5) Determination of Age
- 6) Carving of permanent teeth including drawing in Journals.
- 7) Elective presentation of a specific topics.

## **Subject 4 : PRECLINICAL PROSTHODONTICS (PRACTICALS)**

Duration of syllabus: First and Second Year B.D.S.

(360 Hours in Two Years period)

### **Practical Exercises:**

#### **A) Fabrication of complete Denture Prosthesis using edentulous Models (Cast)**

- 1) Introduction, Aims, Objective and Scope.
- 2) Masticatory apparatus- Applied anatomy of the components
- 3) Anatomical landmarks and Physiological considerations of the Edentulous maxillary and mandibular arches.
- 4) Preliminary impression, (Demonstration only) and cast preparatio.
- 5) Construction of special trays in shellac base and self cured acrylic resin.
  - a) Close-fit type b) Tray with full spacer and tissue stop.
- 6) Final impression & Master cast preparation by box-in technique (only Demonstration)
- 7) Preparation of Record bases..
  - a) Temporary denture bases (shellac/ selfaired acrylic resin)
  - b) Occlusion Rims of standard dimensions.
- 8) Brief introduction and Demonstration of J aw Relation recording
- 9) Brief introductions of articulators- Detail about Mean value articulator.
- 10) Transfer of Jaw Relation record on articulator.
- 11) Brief information about the selection of teeth.
- 12) Arrangement of teeth -Anteriors and posterior.
- 13) Reproducing gingival tissue morphology (Waxing and carving)
- 14) Laboratory Procedures:
  - i) Flasking -Various techniques in brief
  - ii) Wax elimination from mould (Dewaxing)
  - iii) Preparation and packing the mould with Denture base resin.

- iv) Acrylization -Brief introduction about curing cycles
- v) Deflasking -Denture recovery from flask.
- vi) Laboratory Remount Procedure and selective grinding.
- vii) Face bow preservation Record (optional)
- viii) Finishing and polishing of Dentures
- ix) Making Remount cast for Clinical remount procedure.

15) Teeth arrangement in Prognathic and Retrognathic ridge relations.

16) Repair to a broken complete denture.

### **B) Fabrication of Removable partial Dentures:**

1. Brief introduction to partial Dentures.
2. Comparison between Removable and fixed partial dentures.
3. Classification (introduction) and rules governing the classification.
4. Making one tooth (Anterior) partial denture in acrylic resin.
5. Making (posterior) removable partial denture with 'C' clasp adaptation.
6. Surveying procedure (Demonstration only)
7. Brief introduction of various components of partial Denture.
8. Designing partial denture framework on partially edentulous cast (Drawing as Diagnostic model and in journal)
9. Brief introduction to various laboratory steps in fabrication of cast partial denture framework by using audio-visual aids.

### **C) Fixed partial Denture Prosthesis :**

1. Brief introduction to crown and Bridge prosthesis
2. Principles of tooth reduction (Preparing abutment) to receive
  - a) Full crown for anteriors and posterior teeth .
  - b) partial veneer crown for anteriors and posterior teeth
  - c) Dowel crown/post and core crown (Demonstration only)

3. Casting procedure to fabricate 3 unit bridge (Demonstration only) with special consideration to making of dies and working models.
4. Brief introduction of pontic designs.

**D) Special Prosthesis :**

1. Making of cap spints & gunning splint (only Demonstrations.)
2. Fabrication of obturators (only demonstration)
3. Introduction (with models/charts/photographs) of various maxillofacial prosthesis & Dental Implant.

**EXAMINATION PATTERN :**

**I) Internal assessment. 20 Marks**

- |                           |    |   |
|---------------------------|----|---|
| a) First test of 5 Marks  | -- | Making of special tray/Occlusion rims   |
| b) Second test of 5 Marks | -- | Arrangement of teeth  |
| c) Third test of 5 Marks  | -- | Designing a removable partial denture for (cast partial framework) given model (Drawing on Cast and Lab. prescription slip) |
| d) Fourth test of 5 Marks | -- | Preparation of tooth to receive Full/P.V. Crown with wax pattern  |

First two tests to be conducted in first Year B.D.S. and third & fourth test to be conducted in Second Year B.D.S. Marks of First two tests must be submitted to university along with the marks of other First year subjects.

**II Practical Examination: 80 Marks**

To be conducted at the end of Second Year B.D.S. along with university practical programme of other subjects. Break-up is as under:

- |  |             |                      |
|--|-------------|----------------------|
| <u>Exercise I</u> a) Teeth arrangement for complete denture  | .25 Marks   | } Duration<br>3 Hrs. |
| b) Waxing and carving (Gingival tissue morphology)..15 Marks |             |                      |
| <u>Exercise II</u> c) Abutment preparation to receive crown  | .20 Marks.  | } Duration<br>2 Hrs. |
| d) Wax pattern for that preparation                          | ..10 Marks. |                      |
| e) Journals/Record of the-two Year work                      | ..10 Marks. |                      |

**Subject 5: PRECLINICAL CONSERVATIVE DENTISTRY (PRACTICALS)**

Duration of Syllabus: Second Year B.D.S. (240 Hrs minimum)

**Syllabus :**

**Practical Exercises :**

- A. Exercises to improve the dexterity:
- i) Preparation of plaster models of teeth
  - ii) Finishing and polishing of plaster models
  - iii) Marking of cavity as per Black's classification on these plaster models  
for Dental Amalgum fillings and inlays.
  - iv) Preparation of cavities for Amalgum fillings and Inlays on plaster  
model
  - v) Restoration of the prepared cavities with modelling wax.
- B. Exercises for cavity preparation of Dental Amalgum Restoration on  
natural/ivorine
- 1) Mounting of the Natural/Ivorine teeth on phantom head.
  - 2) Preparation of Cl. I/Cl.I Comp./Cl.II/Cl. V /M.O./D. cavities of posterior  
teeth with special emphasis on Cl. II cavities.
  - 3) Cavity lining on all the prepared cavities
  - 4) Restoration & polishing of all teeth restored with dental amalgam.
- C. Exercises for anterior teeth restoration.
- 1) Preparation of Cl. III/Cl. IV cavities in anterior teeth.
  - 2) Preparation of wax pattern for the same with inlay wax.

## **DEMONSTRATIONS ONLY**

1. Casting procedures
2. Restoration of fractured anterior teeth with composites resins.
3. Opening of root canal for anterior/ posterior teeth.

### **EXAMINATION PATTERN**

#### **I. Internal assessment. 20 Marks.**

- a) First Test of 5 Marks.      ..Cavity Preparation & filling on plaster models
- b) Second Test of 5 Marks    . .Cavity preparation class II on ivory/Extracted (Natural) tooth & filling in Amalgum.
- c) Third Test of 5 Marks      ...Restoration of prepared cavity by using /GIC/ Composite resin or any other suitable material.
- d) Fourth test of 5 Marks      ...Class I inlay preparation of wax pattern on ivory/extracted tooth.

First two tests in First Term & Last two tests in second term to be conducted. The marks in proforma to be submitted along with other subjects. .

#### **II. Practical Examination. 80 Marks**

To be conducted along with university practical examination of other subjects. Break-up is as under.

Exercise . I : 2 Hours duration.

- |  |          |
|--|----------|
| i) Class II cavity preparation on ivory/Extracted tooth (for Amalgum fillings) | 20 Marks |
| ii) Lining   | 05 Marks |
| iii) Filling of the cavity with amalgum and carving                            | 15 Marks |

Exercise. II : 1 Hours duration.

- |   |          |
|---|----------|
| i) Class I Inlay cavity preparation on ivory/ natural tooth | 20 Marks |
| ii) Wax pattern for inlay                                   | 10 Marks |
| iii) Records/ Journals                                      | 10 Marks |

# **MAHARASHTRA UNIVERSITY OF HEALTH SCIENCE, NASHIK**

## **Scheme of Practical & /or Clinical examination**

University Practical/Clinical Examination ... 80 Marks

The Practical/Clinical examination shall be conducted at the centres where adequate facilities are available to conduct such examinations and the centre/college is approved/recognised by Dental Council of India.

Not more than 30 students to be examined per day. The marks should be submitted in the proforma (Appendix - E & F) supplied by the University Authority. This proforma should be signed by the examiners. Over writing or scratching will not be permitted. Any corrections made, must have the counter-signature of external examiners. The sealed envelop containing this proforma shall be submitted on the same day to the Dean for onward transmission to the Controller of examinations, Maharashtra University of Health Sciences, Nashik. No examiner or any other person connected with the work of practical examination is permitted to carry any paper or violate the rules of examination. The person found guilty will be debarred from such Confidential work for a minimum period of 5 Consecutive University examinations or the actions as suggested by the relevant Committee to investigate such matters.

### **Appendix E**

Format of the Practical / Clinical Examination Marks  
Maharashtra University of Health Sciences, Nashik

Chart showing marks obtained by the candidates in practical / clinical examination, to be submitted by the examiner in sealed cover through the Dean of the college to the Controller of Examination, MUHS, Nashik

Name of Examination : \_\_\_\_\_ Summer / Winter \_\_\_\_\_

Centre : \_\_\_\_\_

Subject : PHARMAOLOGY

Roll No.	Pharmacy Practical	Correction of wrong Prescription	Drug of Choice & Dose 5 Drug	Journal	Total
	25	25	20	10	80



Subject : GENERAL PATHOLOGY AND MICROBIOLOGY

Roll No.	Clinical Pathology	Histopathology (2 Slices x 5 Marks)	Microbiology Staining	Spotting 10 x 2 Marks	Journal	Total
	20	10	20	20	10	80

Subject : ORAL DENTAL ANATOMY, HISTOLOGY ETC.

Roll No.	Slides (6 Spots 5 Marks)	Spotting & Specimen (4 Spots x 5 Marks)	Carving of tooth	Journal	Total
	30	20	20	20	80

Subject : PRE-CLINICAL PROSTHODONTICS PRACTICAL

Roll No.	Teeth Arrangement	Waxing & Carving	Abutment Preparation For Crown	Wax Pattern	Journal	Total
	25	15	20	10	10	80

Subject : PRECLINICAL CONSERVATIVE DENTISTRY

Roll No	Caviti Amalgam Preparation	Lining	Filling	Inlay	Wax pattern	Journal	Total
	20	10	15	20	5	10	80

**External Examiners :**

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

**Internal Examiners :**

Name : \_\_\_\_\_

Signature : \_\_\_\_\_

(Common to All)

## Appendix C

### SCHEDULE FOR INTERNAL ASSESSMENT MARKS

To assess the overall progress of the students by evaluating the professional skills he has developed and the knowledge he has got it is necessary to assess the students periodically. The marks to be allotted should be real estimate of the students achievement of skills and subject knowledge without any prejudice.

- 1) Maximum marks allotted for internal assessment for each subject head i.e. Theory and Practical / Clinical will be 20% of the total marks.
- 2) In all four college tests shall be conducted in one academic year i.e. two tests in each term. Each test will have marks as under

	<u>Theory</u>	<u>Practical/Clinical</u>
<u>First Term</u> - First Internal Assessment Test	5 Marks	5 Marks
<u>Second Internal Assessment Test</u>	5 Marks	5 Marks
<u>Second Term</u> -Third Internal Assessment Test	5 Marks	5 Marks
Fourth Internal Assessment Test	5 Marks	5 Marks
-----		
Total :	20 Marks	20 Marks

- a) First Internal Assessment Test should be conducted for the syllabus completed from the start of the term till the commencement of this examination. (Unit Test)
- b) Second Internal Assessment Test should include entire syllabus completed in first term (Terminal Examination)
- c) Third Internal Assessment Test should include the topics covered only in the second term till the commencement of this examination. (Unit Test)
- d) Fourth Internal Assessment Test should include entire syllabus prescribed by the University (Preliminary Examination).

- 3) The pattern of Internal Assessment Examination should be as under :

Theory :    Written.        ..        50 Marks

Practical .. 50 Marks  
Including Oral

Marks obtained by the candidate out of 50 to be divided by 10 and to be entered in proforma even in fraction like 35/50 will be shown as 3.5 out of ;5 marks.

- 4) The marks obtained by the candidate even with fractions. The fraction, if any, is now to be converted into nearest high round figure when the fraction is 0.5 or more.
- 5) All the records of this examination will have to be maintained by the Heads o Departments and will have to verification.
- 6) All records of this examination shall be preserved up to the commencement of next university examination of that batch by head of Department in consoltation with the Dean.
- 7) a) The marks obtained by candidate should be submitted in controller of examination Internal Assessment Examination.  
b) The marks of all four internal assessment tests shall be submitted to the controller of examination in the proforma as shown in Appendix -D, by HOD, through the Dean / Principal of the college before 20 days of the commencement of the University Theory Examination by Hand delivery or Register post.
- 8) In case the candidate fails in University Examination, he should be assessed afresh for internal assessment marks. The internal assessment marks of this examination to be submitted to University Authority
- 9) For repeater students, only two examinations in that term will be conducted. Each test will be of 10 marks each. Thus college authority should submit marks out of 20 by applying the same schedule.
- 10) In case candidate remains absent only on valid ground where his presence elsewhere is justified or when he is unable to attend the examination on health ground and when he informed the H.OD and Dean about his inability to attend such examination before or during the examination schedule, the Dean in consultation with heads of Department of concerned subject shall conduct re-

examination for the student within 20 days or before commencement of next internal assessment test of University Examination.

The marks should be submitted for these students separately, if required.

11) The marks obtained by candidate as internal assessment will not be taken into account for passing the subject head, but will be added to the aggregate of that subject Head.

12) The internal assessment Tests for Preclinical Prosthodontic Practicals and

Preclinical Conservative Dentistry Practical will be conducted as per the details mention in syllabus of these subjects under the title of examination. (Please refer Page No. 9,12)

**APPENDIX - F**

**MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK**

**First B.D.S. Summer / Winter 200- Examination**

Subject : \_\_\_\_\_

Name of the Centre: \_\_\_\_\_

Date of Practical Conduction: \_\_\_\_\_

\_\_\_\_\_

(No Straching or overwriting please) correction if any to be signed by External & Internal Examiners both.

: ORAL EXAMINATION MARKS :

Roll No.	Enrollment No.	Marks allotted out of 20 (Max)	
		in figures	in words

**External Examiners :**

**Internal Examiners :**

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_



Appendix – D

**MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK**

**INTERNAL ASSESSMENT MARKS FOR ....B.D.S. SUMMER/WINTER EXAMINATION, YEAR**

Subject: \_\_\_\_\_  
College: \_\_\_\_\_

Subhead – Theory / Practical

Sr. No.	Enrollment No	Roll No.	Name of the Student	Internal Assessment Test				Aggregate Total Out of 20	Net total (after rounding the fraction, if any) Marks obtained out of 20	In Words (Out of Twenty)	Signature of Student
				First Max 5	Second Max 5	Third Max 5	Fourth Max 5				

Certificate that the marks entered in above proforma are as obtained by the candidates. The department will produce the necessary documents for verificat University Authority if required.

Date : \_\_\_\_\_

\_\_\_\_\_  
Signature of Subject Teacher

\_\_\_\_\_  
Signature of Head of the Department

**APPENDIX B**  
**MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK**  
**Scheme of Examination for Second B.D.S Examination**

Sr. No.	Subject	Subheads	Maximum marks allotted	Minimum marks required to pass in each sub head	Maximum marks allotted	Minimum marks required for awarding distinction
1	General Pathology and Microbiology	i) Theory (Written)	60	-	200	150
		ii) Oral	20	-		
		iii) Theory + Oral	80	40		
		iv) Internal Assessment (Theory)	20	-		
		iv) Theory + Oral + Internal Assessment (Theory)	100	50		
		i) Practical/Clinical	80	40		
		ii) IA Practical/Clinical	20	-		
		iii) Practical/Clinical + Internal Assessment (Practical/Clinical)	100	50		
2	General and Dental Pharmacology & Therapeutics	i) Theory (Written)	60	-	200	150
		ii) Oral	20	-		
		iii) Theory + Oral	80	40		
		iv) Internal Assessment (Theory)	20	-		
		iv) Theory + Oral + Internal Assessment (Theory)	100	50		



		i) Practical/Clinical ii) IA Practical/Clinical iii) Practical/Clinical +Internal Assessment (Practical/Clinical)	80 20 100	40 - 50		
3	Human Oral Anatomy (Including Embryology and Histology)	i) Theory (Written) ii) Oral iii) Theory + Oral iv) Internal Assessment (Theory) iv) Theory + Oral + Internal Assessment (Theory)	60 20 80 20 100	- - 40 - 50	200	150
		i) Practical/Clinical ii) IA Practical/Clinical iii) Practical/Clinical +Internal Assessment (Practical/Clinical)	80 20 100	40 - 50		
4	Pre-clinical Prosthodontics Practicals	i) Practical/Clinical ii) IA Practical/Clinical iii) Practical/Clinical +Internal Assessment (Practical/Clinical)	80 20 100	40 - 50	100	75
5	Pre-Clinical Conservative Practicals	i) Practical/Clinical ii) IA Practical/Clinical iii) Practical/Clinical +Internal Assessment (Practical/Clinical)	80 20 100	40 - 50	100	75
Grand Total					800	600