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

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.

   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

<table>
<thead>
<tr>
<th>Lectures</th>
<th>30 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Practical</td>
<td>60 hours</td>
</tr>
<tr>
<td>Total Duration</td>
<td>90 hours (Minimum)</td>
</tr>
</tbody>
</table>

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 microorganisms 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- Neilsen's staining.
  i) Histopathology, practicals and specimens, 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

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
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
     - Hypnosedatives
     - Analgesics
     - Psychotropics
     - Antiepileptics
     - Analaptics
     - Local Anaesthetics

3) ANS
   - Sympathomimetic
     - Anti adrenergic drug
     - Parasympathomimetics
     - Parasympatholytics
     - Histamine
     - Antihistaminics

4) CVS
   - Cardiac stimulent(Glycosides)
     - Anti anginal drugs
     - Anti hypertensive drugs
     - Vesopressors & Treatment of shock

5) Drug acting on blood
   - Coagulents
     - Anti coagulents
- Haematinics..

6) G.I.T. Drugs
   - Purgatives
     - Anti diarrheals
     - Antacids
     - Anti emetics

7) Endocrines
   - Treatment of diabetics
   - Adrenal Corticosteroids

8) Chemotherapy
   - Sulfonamides & cotrimoxazole
   - Penicillins
   - Cephalosporins
   - Aminoglycosides
   - Broad spectrum antibiotics
   - Other antibiotics
   - Fluoroquinolones
   - Chemotherapy of tuberculosis
     leprosy, malignancy, Malaria &
     Amoebiasis Antihelminthic
   - Antiviral

9) Vitamins & Antioxidants

10) Misc. drugs
    - Diuretics
    Heavy Metal antagonists

**Dental Pharmacology & Therapeutics**

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

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 lymphatic 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 invigilator 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 topic.
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 Jaw 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)
   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 dyes and working models.

4. Brief introduction of pontic designs.

D) Special Prosthesis:

1. Making of cap splints & 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:

Exercise I a) Teeth arrangement for complete denture \[.25 \text{ Marks} \] \{ Duration \[3 \text{ Hrs.}\]

\[b) \text{ Waxing and carving (Gingival tissue morphology)} \[.15 \text{ Marks} \]

Exercise II c) Abutment preparation to receive crown \[.20 \text{ Marks} \] \{ Duration \[2 \text{ Hrs.}\]

d) Wax pattern for that preparation \[.10 \text{ Marks} \]

e) Journals/Record of the-two Year work \[.10 \text{ Marks} \]
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 amphesis 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 compositer resins.

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 ivorine/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 ivorine/extracted tooth.

First two test in First Term & Last two test 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 ivorine/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 ivorine/ natural tooth  20 Marks
   ii) Wax pattern for inlay  10 Marks
   iii) Records/ Journals  10 Marks
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. Overwriting 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 though the Dean of the college to the Controller of Examination, MUHS, Nashik
Name of Examination : ____________________ Summer / Winter ________
Centre : ______________________________________________________
Subject : PHARMAOLOGY

<table>
<thead>
<tr>
<th>Roll No.</th>
<th>Pharmacy Practical</th>
<th>Correction of wrong Prescription</th>
<th>Drug of Choice &amp; Dose 5 Drug</th>
<th>Journal</th>
<th>Total</th>
</tr>
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<tbody>
<tr>
<td>25</td>
<td>25</td>
<td>20</td>
<td>10</td>
<td>80</td>
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### Subject: GENERAL PATHOLOGY AND MICROBIOLOGY

<table>
<thead>
<tr>
<th>Roll No.</th>
<th>Clinical Pathology</th>
<th>Histopathology (2 Slices x 5 Marks)</th>
<th>Microbiology Staining</th>
<th>Spotting (10 x 2 Marks)</th>
<th>Journal</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>20</td>
<td>10</td>
<td>20</td>
<td>20</td>
<td>10</td>
<td>10</td>
<td>80</td>
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</table>

### Subject: ORAL DENTAL ANATOMY, HISTOLOGY ETC.

<table>
<thead>
<tr>
<th>Roll No.</th>
<th>Slides (6 Spots 5 Marks)</th>
<th>Spotting &amp; Specimen (4 Spots x 5 Marks)</th>
<th>Carving of tooth</th>
<th>Journal</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>20</td>
<td>20</td>
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### Subject: PRE-CLINICAL PROSTHODONTICS PRACTICAL

<table>
<thead>
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<th>Roll No.</th>
<th>Teeth Arrangement</th>
<th>Waxing &amp; Carving</th>
<th>Abutment Preparation For Crown</th>
<th>Wax Pattern</th>
<th>Journal</th>
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### Subject: PRECLINICAL CONSERVATIVE DENTISTRY

<table>
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<tr>
<th>Roll No.</th>
<th>Caviti Amalgam Preparation</th>
<th>Lining</th>
<th>Filling</th>
<th>Inlay</th>
<th>Wax pattern</th>
<th>Journal</th>
<th>Total</th>
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<tbody>
<tr>
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<td>15</td>
<td>20</td>
<td>5</td>
<td>10</td>
<td>10</td>
<td>80</td>
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</table>

### External Examiners:

| Name: ___________________________ | Name: ___________________________ |
| Signature: ______________________ | 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:

<table>
<thead>
<tr>
<th>Term</th>
<th>First Internal Assessment Test</th>
<th>Second Internal Assessment Test</th>
<th>Third Internal Assessment Test</th>
<th>Fourth Internal Assessment Test</th>
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<tr>
<td></td>
<td>Theory</td>
<td>Practical/Clinical</td>
<td>Theory</td>
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<td>5 Marks</td>
<td>5 Marks</td>
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<tr>
<td>Total</td>
<td>20 Marks</td>
<td>20 Marks</td>
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</table>

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 of 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 consultation 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.O.D 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 :

<table>
<thead>
<tr>
<th>Roll No.</th>
<th>Enrollment No.</th>
<th>Marks allotted out of 20 (Max)</th>
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<tbody>
<tr>
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<td>in figures</td>
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<tr>
<td></td>
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<td>in words</td>
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</table>

External 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: ____________________________________________ Subhead – Theory / Practical
College: ____________________________________________

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Enrollment No</th>
<th>Roll No.</th>
<th>Name of the Student</th>
<th>Internal Assessment Test</th>
<th>Aggregate Total Out of 20</th>
<th>Net total (after rounding the fraction, if any) Marks obtained out of 20</th>
<th>In Words (Out of Twenty)</th>
<th>Signature of Student</th>
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<tbody>
<tr>
<td></td>
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<td>Second Max 5</td>
<td>Third Max 5</td>
<td>Fourth Max 5</td>
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</table>

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**

<p>| 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 &amp; 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                                             |                        |                                                |</p>
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<th>iii) Practical/Clinical + Internal Assessment (Practical/Clinical)</th>
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