



SYLLABUS SECOND B.D.S.

Candidate will be examine in the following subjects :

- 1. General Pathology, Microbiology and Parasitology**
- 2. General and Dental Pharmacology and Therapeutics**
- 3. Dental Materials**
- 4. Preclinical Prosthodontics (Practical's)**
- 5. Preclinical Conservative Dentistry (Practical's)**

Subject 1: General Pathology, Microbiology and Parasitology

(Syllabus shall be as per DCI Norms)

A. General Pathology

Lectures -	55 Hours
Practical's and demonstration	55 Hours
Total Duration	110 Hours (Minimum)

As Per DCI Norms:-

1. 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 65 hours

Practicals 50 hours

Total Duration 115 hours (Minimum)

As Per DCI Regulation:-

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 AS PER DENTEL DCI NORMS

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.

Pattern of Theory Examination including Distribution of Marks, Questions, Time.

Nature of Question Paper
Faculty with Year: Second BDS

Subject: General Pathology, Microbiology and Parasitology

Total Marks: 70

Time: 3 Hours

Instructions:

- 1) All questions are compulsory
- 2) MCQ question paper should be conducted and completed in first 30 min. written question paper must be given only after taking back the MCQ answer sheet
- 3) Fill (dark) the appropriate empty circle below the question number once only.
- 4) Use blue/black ball point pen only.
- 5) Each MCQ carries one / half mark.
- 6) Students will not be allotted mark if he/she overwrites strikes or put white ink on the cross once marked on MCQ.
- 7) For Question no. 2, 3, 4 and 5 time duration is 2.30 hour
- 8) Draw diagrams wherever necessary for Question no. 2, 3, 4 and 5.
- 9) Answers of Questions and Sub questions must be written strictly according to the serial order of question paper.
- 10) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

Question No.	Question Description	Division of Marks	Total Marks
1.	Total MCQs : 20 marks 20 questions shall include 10 questions of General pathology and 10 General Microbiology	20	20
	Section B: General Pathology		
2.	<u>Long answer question two:- a) b)</u>	<u>2 X 5</u>	<u>10</u>
3.	<u>short answer questions five:- a) b) c) d) e)</u>	<u>5X 3</u>	<u>15</u>
	Section C: Microbiology and Parasitology		
4.	<u>Long answer question two:- a) b)</u>	<u>2 X 5</u>	<u>10</u>
5.	<u>short answer questions five:- a) b) c) d) e)</u>	<u>5X 3</u>	<u>15</u>

- **Viva Voce – 20 Marks**
- **Internal Assessment (Theory -10)**

II: Practicals	MAXIMUM : 90 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)	20 Marks
III : Internal Assessment (Practical)	10 Marks

Subject 2 : General & Dental Pharmacology & Therapeutics

(Syllabus shall be as per DCI Norms)

Duration of syllabus lecture	-70 Hrs (Minimum)
Practical	20 Hrs (Total-90 Hrs)
1) General Pharmacology	<ul style="list-style-type: none">- Scope- Nature & Sources- Dosage form & routes of administration- Prescription writing- Pharmacokinetics- Mode of Action<ul style="list-style-type: none">-Factors modifying drug action-Adverse drug reaction- Drug Interaction
2) CNS	<ul style="list-style-type: none">-General Anaesthetics-Hyposedatives-Analgesics-Psychotropics-Antiepileptics-Analaptics-Local Anaesthetics
3) ANS	<ul style="list-style-type: none">- Sympathomimetic- Anti adrenergic drug- Parasympathomimetics<ul style="list-style-type: none">- Parasympatholytics- Histamine- Antihistaminics
4) CVS	<ul style="list-style-type: none">- Cardiac stimulent(Glycosides)- Anti anginal drugs- Anti hypertensive drugs- Vesopressors & Treatment of shock
5) Drug acting on blood	<ul style="list-style-type: none">- Coagulents- Anti coagulents

- 6) G.I.T. Drugs
 - Haematinics..
 - Purgatives
 - Anti diarrheals
 - Antacids
 - Anti emetics
 - Treatment of diabetics
 - Adrenal Corticosteroids
- 7) Endocrines
- 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 & 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 Mark Combination
 - Mention Only for training
 - Therapeutic action and not for
 - Toxic actions University
 - Contraindications Examination
 - Indications
- 9) Criticism & Correction of Prescription on basis of drug interaction.
- 10) Drugs of Choice.

EXAMINATIONS PATTERN

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

Pattern of Theory Examination including Distribution of Marks, Questions, Time.

Nature of Question Paper
Faculty with Year: Second BDS

Subject: General and Dental Pharmacology

Total Marks: 70

Time: 3 Hours

Instructions:

- 1) All questions are compulsory
- 2) MCQ question paper should be conducted and completed in first 30 min. written question paper must be given only after taking back the MCQ answer sheet
- 3) Fill (dark) the appropriate empty circle below the question number once only.
- 4) Use blue/black ball point pen only.
- 5) Each MCQ carries one / half mark.
- 6) Students will not be allotted mark if he/she overwrites strikes or put white ink on the cross once marked on MCQ.
- 7) For Question no. 2 and 3 time duration is 2.30 hour
- 8) Draw diagrams wherever necessary for Question no. 2 and 3.
- 9) Answers of Questions and Sub questions must be written strictly according to the serial order of question paper.
- 10) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

Question No.	Question Description	Division of Marks	Total Marks
1.	Total MCQs : 20 marks	20	20
2.	<u>Long answer question four:-</u> a) b) c) d)	<u>4 X 5</u>	<u>20</u>
3.	<u>short answer questions ten:-</u> a) b) c) d) e) f) g) h) i) j) k) l)	<u>10X 3</u>	<u>30</u>

- **Viva Voce – 20 Marks**
- **Internal Assessment (Theory -10)**

PRACTICAL: Maximum 90 marks.

Distributions are 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 | - 20 marks. |
| Internal Assessment – (Practical) | - 10 marks |

SUBJECT: 3 Dental Materials
(Syllabus shall be as per DCI Norms)
Theory -60 Hrs.
Practical - 200 Hrs.

As Per DCI Regulation:-

1. Chemistry of synthetic resins used in dentistry.
2. Dental porcelains - types, composition, role played by each ingredient, manipulation, advantages and disadvantages, aluminous, porcelain, castable porcelain, metal fused porcelain, and porcelain repair materials.
3. Tooth restorative materials - Classification and ideal properties :
 - b. Cavity bases, liners and varnishes.
 - c. Restorative resins - Brief history of resins as tooth restorative materials, filled resins (composite resins) - classification, chemistry of setting, composition, properties, uses, manipulation advantages and disadvantages, acid etching, bonding agents (Enamel and dentin bonding systems), Pit and fissure sealants.
4. Direct filling Gold - types, advantages, disadvantages, brief study of manipulation (cold welding).
5. Silver amalgam alloy - Brief history, classification, composition, role played by each ingredient, setting reaction, properties, manipulation and uses, comparative study of all types of silver amalgams Mercury Hygiene and Toxicity
6. Casting gold alloys - Classification, corrosion, contents and role played by each ingredient, indications, white gold, uses.
7. Dental casting investments - (Refractory materials) Classification, composition, setting reaction, manipulation and technical consideration.
8. Casting procedures and casting defects, in general
9. Base metal casting alloys - properties, composition and uses of Co-Cr, St. steel.
10. Materials used in orthodontia - Luting cements, direct bonding agents, St. Steel, properties and gauges of wires of gold, st. steel, Co-Cr and titanium alloys, brackets, sensitization.
11. Abrasives and polishing agents -
 - a. Clinical
 - b. Laboratory.
12. Dental implant materials - History, biological properties and different designs.
13. Miscellaneous -
 - a. Infection control
 - b. Artificial tooth material.
 - c. Separating media
 - d. Die spacers
 - e. Tray adhesive
 - sf. Petroleum jelly
 - g. Articulating paper
 - h. Pressure indicating paste
 - i. Endodontic materials
 - j. Comparative studies between metallic and nonmetallic denture base.
 - k. Bioglass
 - l. Sprues
 - m. Setting expansion, hygroscopic expansion, thermal expansion
 - n. Dentifrices.

B) Examination (Theory Pattern)

Written Theory Paper shall be of 3 hours duration of maximum 70 marks.

Pattern of Theory Examination including Distribution of Marks, Questions, Time.

Nature of Question Paper
Faculty with Year: Second BDS

Subject: Dental Materials

Total Marks: 70

Time: 3 Hours

Instructions:

- 1) All questions are compulsory
- 2) MCQ question paper should be conducted and completed in first 30 min. written question paper must be given only after taking back the MCQ answer sheet
- 3) Fill (dark) the appropriate empty circle below the question number once only.
- 4) Use blue/black ball point pen only.
- 5) Each MCQ carries one / half mark.
- 6) Students will not be allotted mark if he/she overwrites strikes or put white ink on the cross once marked on MCQ.
- 7) For Question no. 2 and 3 time duration is 2.30 hour
- 8) Draw diagrams wherever necessary for Question no. 2 and 3.
- 9) Answers of Questions and Sub questions must be written strictly according to the serial order of question paper.
- 10) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

Question No.	Question Description	Division of Marks	Total Marks
1.	Total MCQs : 20 marks	20	20
2.	<i>Long answer question four:- a) b) c) d)</i>	4 X 5	20
3.	<i>short answer questions ten:- a) b) c) d) e) f) g) h) i) j) k) l)</i>	10X 3	30

- **Viva Voce – 20 Marks**
- **Internal Assessment (Theory -10)**

PRACTICALS: Maximum 90 marks.

- I) Spotters:- Identify and Write the composition and two important uses. -(25 marks)
Spotters_-25 Nos
Marks 01 each
Time 02 Mint. Each
- II) Exercise No. 1(20 Marks)
Any one exercise of the following:-
 - a. Manipulation of impression compound and preparation of plaster cast of U/L arch.
 - b. Manipulation of alginate Impression material and preparation of plaster cast of U/L arch.

- c. Manipulation of Zinc Oxide Eugenol Impression Paste, and Preparation Of cast of U/L arch.
 - d. Manipulation of Rubber Base impression material and Preparation of stone caste.
- III) Exercise No. 2- (20marks)
 Manipulation of any one of the following Dental Cements.
- a. ZOE (Luting and filling Consistency) .
 - b. Zinc Phosphate Cement (Luting and Base Consistency) .
 - c. Glass Ionomer Cement type I/II Luting/Filling Consistency).
 - d. Polycarboxylate cement (luting consistency).
- (cement which are mixed for filling consistency should be filled in the cavity prepared in the extracted natural looth/ typhodont.)
- IV) Exercise No. 3 (20 Marks)
- a. Tituration of silver Amalgam and condensation into the cavity prepared in extracted natural tooth/ typhodont.
 - b. Mixing to heart cure Acrylic resin and recording of time taken for all stages.

Internal Assiment (Practical) –

10 marks

Subject 4: PRECLINICAL PROSTHODONTICS (PRACTICALS)

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

Lecture – 25 hrs.

Practical – 200 hrs. Total = 225

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:

D) Internal assessment. 10 Marks

- | | | |
|-----------------------------|----|---|
| a) First test of 2.5 Marks | -- | Making of special tray/Occlusion rims |
| b) Second test of 2.5 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) 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 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: 90 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	.25Marks	Duration
b) Waxing and carving (Gingival tissue morphology)..	15 Marks	3 Hrs.
<u>Exercise II</u> c) Abutment preparation to receive crown	.20Marks.	Duration
d) Wax pattern for that preparation	..10Marks.	2 Hrs.
e) Journals/Record of the-two Year work	..20Marks.	

Subject 5: PRECLINICAL CONSERVATIVE DENTISTRY (PRACTICALS)

Duration of Syllabus: Second Year B.D.S.

Lecture – 25 hrs. & practical – 200 hrs. Total 225 Hrs.

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. 10 Marks.

- a) First Test of 2.5 Marks. ..Cavity Preparation & filling on plaster models
- b) Second Test of 2.5 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.
...Class I inlay preparation of wax pattern on ivory/extracted tooth.

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

II. Practical Examination. 90 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 20 Marks

Madhya Pradesh Medical Science University Jabalpur

Scheme of Practical & /or Clinical examination

University Practical/Clinical Examination ...

90 Marks

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

Not more than 40 students to be examined per day. The marks should be submitted in the proforma 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 envelope containing this proforma shall be submitted on the same day to the Dean for onward transmission to the Controller of examinations, Madhya Pradesh Medical Science University Jabalpur. 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

Madhya Pradesh Medical Science University Jabalpur Format of the Practical / Clinical Examination Marks

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, MPMSU, Jabalpur

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	20	90

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	20	90

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	90

Subject : PRE-CLINICAL PROSTHODONTICS PRACTICAL

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Roll No.	Teeth Arrangement	Waxing & Carving	Abutment Preparation For Crown	Wax Pattern	Journal	Total
	25	15	20	10	20	90

Subject : PRECLINICAL CONSERVATIVE DENTISTRY

Roll No	Caviti Amalgam Preparation	Lining	Filling	Inlay	Wax pattern	Journal	Total
	20	10	15	20	5	20	90

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 Practical/Clinical</u>	
First Internal Assessment Test	2.5 Marks	2.5 Marks
<u>Second</u> Internal Assessment Test	2.5 Marks	2.5 Marks
Third Internal Assessment Test	5 Marks	5 Marks

Total : 10 Marks 10 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 entire syllabus prescribed by the University (Preliminary Examination).
- 3) 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.
 - 4) All the records of this examination will have to be maintained by the Heads of Departments .

- 5) 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.
- 6) a) The marks obtained by candidate should be submitted in controller of examination Internal Assessment Examination.

b) The marks of all internal assessment tests shall be submitted to the controller of examination in the profarma 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.
- 7) 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
- 8) 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.
- 9) 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.)

APPENDIX - F

MADHYA PRADESH MEDICAL UNIVERSITY, JABALPUR

First B.D.S. Summer / winter 200- Examination

Subject : _____

Name of the Centre: _____

Date of Practical Conduction: _____

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

: ORAL EXAMINATION MARKS :

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

External Examiners :

Internal Examiners :

Name: _____

Name: _____

Signature: _____

Signature: _____

Appendix – D

MADHYA PRADESH MEDICAL SCIENCE UNIVERSITY JABALPUR

INTERNAL ASSESSMENT MARKS FORB.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 10	Net total (after rounding the fraction, if any) Marks obtained out of 10	In Words (Out of ten)	Signature of Student
				First Max 2.5	Second Max 2.5	Third 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

MADHYA PRADESH MEDICAL UNIVERSITY JABALPUR

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)	70	-	200	150
		ii) viva voice	20	-		
		iii) Theory + viva voice	90	45		
		iv) Internal Assessment (Theory)	10	-		
		iv) Theory + Oral + Internal Assessment (Theory)	100	50		
		i) Practical/Clinical	90	45		
		ii) IA Practical/Clinical	10	-		
		iii) Practical/Clinical + Internal Assessment (Practical/Clinical)	100	50		
2	General and Dental Pharmacology & Therapeutics	i) Theory (Written)	70	-	200	150
		ii) viva voice	20	-		
		iii) Theory + viva voice	90	45		
		iv) Internal Assessment (Theory)	10	-		
		iv) Theory + Oral + Internal Assessment (Theory)	100	50		

		i) Practical/Clinical	90	45		
		ii) IA Practical/Clinical	10	-		
		iii) Practical/Clinical	100	50		
		+Internal Assessment (Practical/Clinical)				
3	Dental Materials	i) Theory (Written)	70	-		
		ii) viva voice	20	-		
		iii) Theory + viva voice	90	45		
		iv) Internal Assessment (Theory)	10	-	200	150
		iv) Theory + Oral + Internal Assessment (Theory)	100	50		
		i) Practical/Clinical	90	45		
		ii) IA Practical/Clinical	10	-		
		iii) Practical/Clinical	100	50		
		+Internal Assessment (Practical/Clinical)				
4	Pre-clinical Prosthodontics	i) Practical/Clinical	60			
		ii) IA Practical/Clinical	20	-		
		iv) Viva	20			
	Practicals	Practical/Clinical	100	50	100	75
		+Internal Assessment + Viva (Practical/Clinical)				
5	Pre-Clinical Conservative	i) Practical/Clinical	60			
		ii) IA Practical/Clinical	20	-		
		iii) Viva	20			
	Practicals	iii) Practical/Clinical	100	50	100	75
		+Internal Assessment (Practical/Clinical) + Viva				
		Grand Total			800	600