



मध्यप्रदेश आयुर्विज्ञान विश्वविद्यालय, जबलपुर
M.P. Medical Sciences University, Jabalpur

Address: Near Medical College Bhedaghat Road, NH-12 Jabalpur (MP) 482003

Contact : 0761-2670332, 2670334, 2670338, 2670340

E-mail:- ecmpmsu@mp.gov.in



क्रमांक / म.प्र.आ.वि.वि. / परीक्षा / 2023 / 12902

जबलपुर, दिनांक 21 / 11 / 2023

अधिसूचना

म0प्र0 आयुर्विज्ञान विश्वविद्यालय, जबलपुर द्वारा संपूर्ण BDS Course (प्रथम, द्वितीय, तृतीय एवं चतुर्थ वर्ष) हेतु Scheme of marks (Theory and Practical) Examination as per DCI norms जारी किया जाता है। उपरोक्त Scheme of marks Chairman, Board of Studies (Pre-Clinical and Clinical) द्वारा अनुमोदित है।

(माननीय कुलपति महोदय द्वारा अनुमोदित)

संलग्न:- Scheme of marks (Theory and Practical) Examination की अनुमोदित प्रति।

परीक्षा नियंत्रक
मध्यप्रदेश आयुर्विज्ञान विश्वविद्यालय
जबलपुर
जबलपुर, दिनांक 21 / 11 / 2023

पृ.क्रमांक / परीक्षा / 2023 / 12902-A

प्रतिलिपि:- सूचनार्थ हेतु प्रेषित:-

- माननीय कुलपति / कुलसचिव कार्यालय, म0प्र0 आयुर्विज्ञान विश्वविद्यालय, जबलपुर।
- समस्त अधिष्ठाता / प्राधानाचार्य संबद्ध संबंधित महाविद्यालय।

सहायक कुलसचिव
मध्यप्रदेश आयुर्विज्ञान विश्वविद्यालय
जबलपुर

उप कुलसचिव
मध्यप्रदेश आयुर्विज्ञान विश्वविद्यालय
जबलपुर

Scheme of Marks for Theory and Practical Examination

A. Overall distribution of marks for each subject of all the BDS years (as per DCI norms)

- a. Theory (100) = Theory (70) + viva voce (20) + Internal Assessment (10)
- b. Practical (100) = Practical exam (90) + Internal Assessment (10)

For preclinical prosthodontics and preclinical conservative dentistry

Internal Assessment = 20

Practical = 60

Viva Voce = 20

Total = 100 marks

B. Breakup for Theory (70)

Type of question	No. Of Questions	Marks for each question	Total
Multiple choice questions (MCQ)	10	01	10
Short Essay (Any 6 out of 7)	06	05	30
Short answers	10	03	30
Grand Total			70

In case of subjects having Section A and Section B [General Human Physiology & Biochemistry (I BDS), General Pathology and Microbiology (II BDS)]

Type of question	No. Of Questions	Marks for each question	Total
SECTION A			
Multiple choice questions (MCQ)	05	01	05
Short Essay (Any 3 out of 4)	03	05	15
Short answers	05	03	15
Total			35
SECTION B			
Multiple choice questions (MCQ)	05	01	05
Short Essay (Any 3 out of 4)	03	05	15
Short answers	05	03	15
Total			35
GRAND TOTAL			70

C. Breakup for Practical marks (excluding internal assessment)

Distribution of practical marks will vary according to the subject as given below:

FIRST BDS

1. Gen Human Anatomy including Embryology and Histology

Gross Anatomy

- a. Spotters carrying 2 marks each 2 x 10 = 20 marks
- b. Discussion on two given specimens 2 x 5 = 10 marks
- c. Surface Anatomy 1 x 10 = 10 marks
- d. Journal = 05 marks

Histology

- a. Identification of 10 Slides of 02 mark each 10 x 2 = 20 marks
- b. Discussion on Two given slides 2x 10 = 20 marks

c. Journal

= 5 marks
Total = 90 marks

2. General Human Physiology and Biochemistry

Section-A General Human Physiology

Practical: 45 Marks

- | | |
|--|------------|
| 1. One procedure for Haematological examination | = 15 marks |
| 2. One procedure for clinical examination | = 15 marks |
| 3. Interpretation of Laboratory results in given chart | = 10 marks |
| 4. Journal | = 05 marks |

Section-B Biochemistry Nutrition and Dietic

Practical: 45 Marks

- | | |
|--|------------|
| 1. One procedure for quantitative estimation | = 15 marks |
| 2. One procedure for qualitative analysis | = 15 marks |
| 3. Interpretation of Laboratory results in given chart | = 10 marks |
| 4. Journal | = 05 marks |

Total (Section A + Section B) = 90 marks

3. Dental Anatomy, Embryology and Oral Histology

- | | |
|--|------------|
| 1. Carving (1 hour 15 min) | = 30 marks |
| 2. Spotters (15 spotters) (1 hour 15 min) | = 50 marks |
| - 10 histology and ground section slides (10x3=30marks) | |
| - 3 tooth identification (3x4=12marks) | |
| - 2 casts for identifications of teeth, numbering system and age assessment (2 x 4 = 08 marks) | |
| 3. Journal (Dental Anatomy =05, Oral Histology = 05) | = 10 marks |

Total = 90 marks

SECOND BDS

1. General Pathology, Microbiology and Parasitology

Section-A General Pathology

- | | |
|----------------------------------|------------|
| a. Clinical pathology | = 25 Marks |
| b. Histopathology (3 slides X 5) | = 15 Marks |
| c. Journal | = 05 marks |

Section-B Microbiology and Parasitology

- | | |
|---------------------------------|------------|
| Microbiology Staining (any One) | = 20 marks |
| Spotting (10 spot X 2) | = 20 marks |
| Journal | = 05 marks |

Total (Section A + Section B) = 90 marks



2. General & Dental Pharmacology & Therapeutics

- | | |
|--|-------------|
| a) Pharmacy Practical | = 30 marks |
| b) Correction of wrong prescription | = 30 marks |
| c) Drug of choice & Dose (5 Drugs x 4) | = 20 marks. |
| d) Journal /Record book | = 10 marks |

Total = 90 marks

3. Dental Materials

- I) Spotters: - Identify and write the composition and two important uses. = 20 marks
Spotters_-20 x 1 mark

- II) Exercise No. 1 =25 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 =25mark

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 Tooth/ typhodont)

- IV) Exercise No. 3 = 10 Marks

- a. Trituration 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.

- V) Journal = 10 marks

Total = 90 Marks

4. Preclinical Prosthodontics (Practical 60 marks, viva voce 20, internal 20 marks)

Exercise I

- | | |
|--|------------|
| a) Teeth arrangement for complete denture | = 25 Marks |
| b) Waxing and carving (Gingival tissue morphology) | = 05 Marks |

Exercise II

- | | |
|--|------------|
| c) Abutment preparation to receive crown | = 15 Marks |
| d) Wax pattern for the preparation | = 05 Marks |

Journals/Record of the-two Year work = 10 Marks

Total = 60 Marks



5. Preclinical Conservative Dentistry (Practical 60 marks, viva voce 20, internal 20)

Exercise I: 2 Hours duration.

- i) Class II cavity preparation on Ivory/Extracted molar tooth (for Amalgam fillings) = 15 Marks
- ii) Lining = 05 Marks
- iii) Filling of the cavity with amalgam and carving = 10 Marks

Exercise II: 1 Hours duration.

- i) Class I Inlay cavity preparation on ivory/ natural tooth = 15 Marks
- ii) Wax pattern for inlay = 05 Marks

Records/ Journals = 10 marks

Total = 60 marks

THIRD BDS

1. General Medicine

- a) Long case = 50 marks
 - b) Short case = 30 marks
 - c) Journal = 10 marks
- Total = 90 Marks**

2. General Surgery

- a) Long case = 50 marks
 - b) Short case = 30 marks
 - c) Journal = 10 marks
- Total = 90 Marks**

3. Oral Pathology and Microbiology

- a) Spotting = 80 marks
(slides = 15 x 4; specimens = 5 x 4)
 - b) Journal / Record = 10 marks
- Total = 90 Marks**

FINAL BDS

1. Oral Medicine and Radiology

- a) Case History
 - case history taking = 20 marks
 - Diagnosis & Differential Diagnosis = 10 marks
 - Investigations = 10 marks
 - Management = 10 marks
 - b) Radiograph
 - Technique = 10 marks
 - Processing = 10 marks
 - Interpretation = 10 marks
 - c) Record/journal = 10 marks
- Total = 90 marks**

2. Paediatric and Preventive Dentistry

a) Case history	
Recording case history	= 25 marks
Diagnosis	= 15 marks
Treatment plan	= 10 marks
b) Treatment	= 30 marks
c) Record/Journal	= 10 marks
Total	= 90 marks

3. Orthodontics and Dentofacial Orthopaedics

a) Spotters (10 x 2)	= 20 marks
c) Wire bending (2 x 15)	= 30 marks
d) Record/Journal	= 10 marks
Total	= 90 marks

4. Periodontology

a) Case History	= 30 marks
b) Scaling	= 50 marks
c) Record/Journal	= 10 marks
Total	= 90 marks

5. Prosthodontics and Crown & Bridge

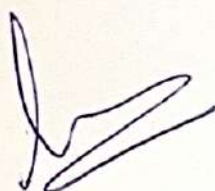
a) Case selection and Discussion with Instrumentation	= 10 marks
b) Case History, Diagnosis and Treatment Plan	= 10 marks
c) Primary cast and Special Tray	= 20 marks
d) Border moulding	= 20 marks
e) Wash impression	= 20 marks
f) Record/Journal	= 10 marks
Total	= 90 marks

6. Conservative Dentistry and Endodontics

a) Case history recording, examination, Investigation, diagnosis and treatment planning	= 15 marks
b) Exercise	= 45 marks
c) chair side viva	= 20 marks
d) Record/Journal	= 10 marks
Total	= 90 marks

7. Oral and Maxillofacial Surgery

a) Case History	= 20 Marks
b) Local anaesthesia technique	= 30 Marks
c) Extraction of firm tooth & patient management	= 20 Mark
d) Record/Journal	= 10 marks
Total	= 90 marks



8. Public Health Dentistry

a) Case History	= 30 marks
b) 2 Indices (2 x 15 marks)	= 30 marks
c) Project on a visit to PHC/Water or Sewage treatment Plant or any other area of interest to Public Health	= 10 marks
d) Dental Screening or treatment camps (minimum 2)	= 10 marks
d) Record/Journal	= 10 marks
Total	= 90 marks



DR. SONALIKA GHATE
CHAIRMAN,
Board of Studies,
Pre-Clinical
MPMSU, Jabalpur



DR. ROHIT MISHRA
CHAIRMAN,
Board of Studies,
Clinical
MPMSU, Jabalpur



मध्यप्रदेश आयुर्विज्ञान विश्वविद्यालय, जबलपुर

M.P. Medical Sciences University, Jabalpur

Address: Medical College Campus Bhedaghat Road, NH-12 Jabalpur (MP) 482003

Contact : 0761-2670332, 2670334, 2670338, 2670340

E-mail:- academicsmpmsu@mp.gov.in



क्र./अकादमिक/2023/2220

जबलपुर दिनांक 25/04/2023

कार्यवृत्त

क्रि. 802 (file)

मध्यप्रदेश आयुर्विज्ञान विश्वविद्यालय जबलपुर द्वारा गठित **Adhoc Board of Studies in Clinical Dental Subjects** Prosthodontics, Orthodontics, Oral Maxillo Facial Surgery, Periodontics, Paedodontics, Oral diagnosis & Radiology, Conservative Dentistry, General Medicine, General Surgery समिति की बैठक पत्र क्रमांक/अकादमिक/2057 दिनांक 20/04/2023 के संदर्भ में दिनांक 25/04/2023 को निम्नलिखित सदस्य उपस्थित रहें यथा:-

S. No.	Post	Desig.	Subject	Name	Institute	Present/ Absent
1	Chairman	Dean, Professor	Periodontics	Dr Rohit Mishra	Hitkarini Dental College and Hospital Jabalpur	Present
2	Member	Professor	Oral Surgery	Dr. Nishant Raj Chourasia	Rishiraj College of Dental Science, Bhopal	Present
3	Member		Prosthodontics	Dr. G S Chandu	Rishiraj College of Dental Science, Bhopal	Present
4	Member		Endodontics	Dr S. P. Mantri	Hitkarini Dental College and Hospital Jabalpur	Present
5	Member		Prosthodontics	Dr Sneha Mantri	Hitkarini Dental College and Hospital Jabalpur	Present
6	Member		Orthodontics	Dr Sandhya Jain	Govt. Dental College Indore	Present
7	Member		Oral Medicine	Dr Ajay Singh Parihar	Govt. Dental College Indore	Present
8	Member		Pedodontics	Dr Ashish Saxena	Govt. Dental College Indore	Present
9	Member		Oral Surgery	Dr. Deepak Agrawal	Govt. Dental College Indore	Present
10	Member	Associate Professor	Pediatric	Dr. Anuradha Agrawal	Govt. Dental College Indore	Present
11	Member		Periodontics	Dr Shaleen Khetrapal	Govt. Dental College Indore	Present
12	Member	Assistant Professor	Prosthodontics	Dr Abhilasha Bhasin	Hitkarini Dental College and Hospital Jabalpur	Present
13	Member		Orthodontics	Dr Anil Tiwari	Hitkarini Dental College and Hospital Jabalpur	Present
14	Member	External Expert	Endodontics	Dr Murli Rao	RV Dental College and Hospital Bangalore	Absent
15	Member		Oral Surgery	Dr. Anshul Rai	AIIMS Bhopal	Present
16	Member	Internal Expert	Periodontics	Dr .Shailendra Charurvedi	New Horizen Dental College Bilaspur	Present
17	Member		Periodontics	Dr. Ajay Chauksey	Mansarovar Dental College Bhopal	Present

अपरान्ह: 02:00 बजे से बैठक आयोजित हुई, बोर्ड ऑफ स्टडीज के अध्यक्ष Dr. Rohit Mishra की अध्यक्षता में बैठक की गई एवं निम्नानुसार निर्णय लिये गये:-

- सदस्यों द्वारा प्रश्नपत्रों में एकरूपता लाने के लिये BDS (Clinical) के प्रश्नपत्रों में अंकों का विभाजन प्रस्तावित किया गया है।



मध्यप्रदेश आयुर्विज्ञान विश्वविद्यालय, जबलपुर

M.P. Medical Sciences University, Jabalpur

Address: Medical College Campus Bhedaghat Road, NH-12 Jabalpur (MP) 482003

Contact : 0761-2670332, 2670334, 2670338, 2670340

E-mail:- academicsmpmsu@mp.gov.in



Q. Sr. No.	Question Type	No. of Question	Marks in each question	Total Marks
01	MCQs	10	01	10
03	Brief Answer Question	06/07 Optional	05	30
04	Short answer question	10	03	30
Total =				70

- Attendance requirements, UG 75% each in theory and practical separately as per DCI norms. In PG courses 80% each in theory and practical is mandatory excluding the maternity leave provided that valid certificate has been submitted in support of maternity leave.
- स्नातक स्तर के बाइय परीक्षक, मूल्यांकनकर्ता एवं प्रश्नपत्र बनाने हेतु योग्यता न्यूनतम 4 वर्ष का सहायक प्राध्यापक का अनुभव एवं स्नातकोत्तर स्तर के बाइय परीक्षक, मूल्यांकनकर्ता प्रश्नपत्र बनाने की योग्यता सह प्राध्यापक के दायित्व में न्यूनतम 1 वर्ष का अनुभव का प्रस्ताव स्वीकार्य किया गया है। स्नातकोत्तर शिक्षक होने के लिये उपरोक्त महाविद्यालय में पी.जी. सीट होना आवश्यक है। प्रश्नपत्र, योग्य बाइय परीक्षक, द्वारा भी मंगाये जाने का प्रस्ताव दिया गया।
 - Postgraduate external examiner, Rotation can be allowed after a gap of atleast 2 years.
 - MDS Part I:** There shall be one internal and one external examiner for three students appointed by the affiliating university for evaluating the answer scripts of the same speciality. However, the number of examiner/s may be increased with the corresponding increase in number of students.
 - MDS Part II:** There shall be four examiners in each subject. Out of them, two (50%) shall be external examiners and two (50%) shall be internal examiners. Both external examiners shall be from a university other than the affiliating university and one examiner shall be from a university of different State.
 - Undergraduate external examiner shall be from other University & may be within State. Rotation can be allowed after a gap of atleast 2 years.
 - The internal examiner in a subject shall not accept external examinership for a college from which external examiner is appointed in his/her subject, in the same session
 - In under graduate examination the grace marks up to a maximum of five marks shall be awarded at the discretion of the University to a learner and distributed among all the theory paper for clearing the examination as a whole but not the clearing a subject resulting in exemption.
 - In undergraduate exam grace marks will only be awarded in theory paper.
 - Thesis evaluation may be done through two independent evaluators preferably outside of the state
 - Asso. Prof. & Professor of Dental Department of Medical College running postgraduate course will eligible to become examiner for UG/PG Dental exam.
- सदस्यों द्वारा अनुशंसा की गई है कि जो फेकल्टी विश्वविद्यालय द्वारा दिये गये मूल्यांकन एवं प्रश्नपत्र बनाने हेतु कार्य नहीं करता है तो उसे विश्वविद्यालय द्वारा नियमानुसार आंतरिक एवं बाइय परीक्षक बनने से पृथक किया जा सकता है।
- विद्यार्थियों की उपस्थिति हेतु DCI एवं MPMSU द्वारा पारित प्रस्ताव को स्वीकार किया गया।
- विश्वविद्यालय द्वारा चिकित्सा शिक्षा विभाग मध्यप्रदेश शासन द्वारा फेकल्टी के गोपनीय प्रतिवेदन में विश्वविद्यालय में उनके द्वारा प्रश्नपत्र निर्माण, मूल्यांकन एवं विश्वविद्यालय द्वारा दिये गये कार्यों के निर्वहन की जानकारी को दर्ज करने का प्रस्ताव दिया गया।
- BOS द्वारा पी.एच.डी. पाठ्यक्रम को विभिन्न विषयों में प्रारंभ करने का प्रस्ताव किया गया एवं अध्यक्ष महोदय के मार्गदर्शन में पी.एच.डी. मूल्यांकनकर्ताओं की सूची बनाने हेतु सहमति बनी।
- Eligibility for next exam:-
All clear before appearing in the next exam
- UG Practical is of 90 marks a detailed breakup will be provided by the Hon. Chairman, BOS.
- Teacher recognition will be done as per DCI faculty registration norms.
- Regarding the Ph.D. Courses, The BOS Chairman will provide the list of eligible faculties to the University.
- Fellowship in forensic odontology & Fellowship in Oral Implantology & other Specialty of Dentistry Courses को प्रारंभ करने हेतु BOS ने Competent authority के Approval एवं LIC के द्वारा निरीक्षण करने के पश्चात् ही निर्णय लेने का सुझाव दिया।

अंत में अध्यक्ष महोदय का धन्यवाद देते हुए बैठक समाप्त हुई।

31/5/23
25/04/23

25/4/23

25/4/23

25/4/23

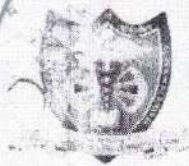
25/4/23

25/4/23

25/4/23

25/4/23

25/4/23



मध्यप्रदेश आयुर्विज्ञान विश्वविद्यालय, जबलपुर

M.P. Medical Sciences University, Jabalpur

Address: Medical College Campus Bhedaghat Road, NH-12 Jabalpur (MP) 482003
Contact : 0761-2670332, 2670334, 2670338, 2670340
E-mail:- academicsmpmsu@mp.gov.in



क्र./अकादमिक/2023/2204

जबलपुर दिनांक 24/04/2023

कार्यवृत्त

नि, BBS (file)

मध्यप्रदेश आयुर्विज्ञान विश्वविद्यालय जबलपुर द्वारा गठित **Adhoc Board of Studies in Pre-Clinical Dental Subjects** General Human Anatomy, Physiology & Bio-Chemistry, General Pathology & Micro Biology, General Pharmacology, Dental Anatomy, Community Dentistry, Dental Materials, Oral Pathology & Microbiology समिति की बैठक पत्र क्रमांक/अकादमिक/1969 दिनांक 17/04/2023 के संदर्भ में दिनांक 24/04/2023 को निम्नलिखित सदस्य उपस्थित रहें यथा:-

S. No.	Post	Designation	Subject	Name	Institute	Absent/ Present
1	Chairman	Professor	Oral Pathology	Dr Sonalika Ghate	Hitkarini Dental College and Hospital Jabalpur	Present
2	Member	Professor	Public Health Dentistry	Dr Vrinda Saxena	Govt. Dental College Indore	Present
3			Anatomy	Dr D. K. Lodhi	Hitkarini Dental College and Hospital Jabalpur	Present
4			General Pathology	Dr Neeraj Sachdeva	Hitkarini Dental College and Hospital Jabalpur	Absent
5			Microbiology	Dr Ratna Patel	Hitkarini Dental College and Hospital Jabalpur	Absent
6			General Medicine	Dr Deepak Behrani	Hitkarini Dental College and Hospital Jabalpur	Present
7			Public Health Dentistry	Dr. Arpan Shrivastava	Rishiraj College of Dental Science, Bhopal	Present
8			Microbiology	Dr Sapna Singh	Mansarovar Dental College Bhopal	Present
9			Biochemistry	Dr Amita Gupta	Mansarovar Dental College Bhopal	Present
10	Member	Associate Professor	Public Health Dentistry	Dr Himasha Daryani	Hitkarini Dental College and Hospital Jabalpur	Absent
11			Oral Pathology	Dr Nitin awasthi	Mansarovar Dental College Bhopal	Present
12	Member	Assistant Professor	Physiology	Dr Anand Raj Goswami	Hitkarini Dental College and Hospital Jabalpur	Present
13			Public Health Dentistry	Dr Vidhatri Tiwari	Govt. Dental College Indore	Absent
14	Member	External Expert	Oral Pathology	Dr. Deepak Mishra	AIIMS Delhi	Absent
15	Member		Pharmacology	Dr K. K. Daryani	L. N. Medical college Indore	Absent
16	Member	Internal Expert	Pharmacology	Dr Jyotirmayee Kashyap	Hitkarini Dental College and Hospital Jabalpur	Absent
17	Member		General Pathology	Dr Laxmi Lokwani	Hitkarini Dental College and Hospital Jabalpur	Absent

अपराह्न: 02:00 बजे से बैठक आयोजित हुई, बोर्ड ऑफ स्टडीज के अध्यक्ष Dr. Sonalika Ghate की अध्यक्षता में बैठक की गई एवं निम्नानुसार निर्णय लिये गये:-

- सदस्यों द्वारा प्रश्नपत्रों में एकरूपता लाने के लिये BDS (Pre Clinical) के प्रश्नपत्रों में अंकों का विभाजन प्रस्तावित किया गया है।

Madhya Pradesh Medical Science University, Jabalpur

Scheme of Examination of Dental First Year (BDS)

I. Subjects of Study: First Year

- i) General Human Anatomy including Embryology and Histology (Examination at the end of first academic year)
- ii) General Human Physiology and Biochemistry, Nutrition and Dietetics (Examination at the end of first academic year)
- iii) Dental Anatomy, Embryology and Oral Histology (Examination at the end of first academic year)
- iv) Dental Materials: (Examination at the end of second academic year)
- v) Pre-clinical Prosthodontics and Crown & Bridge (Examination at the end of second academic year)

II. Scheme of Examination

The Scheme of examination of B.D.S. course shall be divided into **5 professional examinations**, viz., I.B.D.S. Examination at the end of first academic year, II B.D.S. at the end of second academic year, III B.D.S. at the end of third academic year and IV B.D.S. examination at the end of fourth academic year and V B.D.S. examination at the end of fifth academic year.

BDS I EXAMINATION SHALL HAVE FOLLOWING SUBJECTS AND MARKS

Subjects	Theory Paper	Viva voce	Internal Assessment	Practical examination	Internal Assessment	Grand Total
I BDS	70	20	10	90	10	200
1. General Anatomy including Embryology and Histology						
2. Section-A General Human Physiology And Section-B Biochemistry Nutrition and Dietetics	35	10	05	45	05	200
	35	10	05	45	05	
3. Dental Anatomy, Embryology and Oral Histology.	70	20	10	90	10	200

III. i. Internal Assessment

The internal assessment need not be limited to written tests. It should relate to other items such as maintenance of records, participation in seminars and group discussions, clinical case study, proficiency in carrying out practical or clinical skill or participation in projects and assignments (even) during vacation. These be evaluated objectively and recorded. The weightage given to practical/clinical examinations.

A minimum of three internal assessments to be held in an academic year and the average of best two of these tests shall be sent to the university.

INTERNAL ASSESSMENT FOR SUBJECTS (i-iii) which are to be examined in First year.

Total Marks : 40- Theory 20 and Practical 20

THEORY : 20 Marks

Minimum of three examinations are recommended. The sessional examination preceding the university examination may be similar to the pattern of university examination. Average of any two best marks obtained in the notified internal examinations may be taken into consideration for calculating internal assessment. The total marks be reduced to 20 and sent to the university.

PRACTICALS : 20 Marks

There will be two terminal practical examinations. 5 marks will be for records and 15 marks for terminal tests. Average marks of the two terminal examinations shall be reduced to 15 marks and added to the marks obtained for records and sum of the two shall be sent to the university.

The internal assessment marks both theory and practical obtained by the candidates should be sent to the university as per academic calendar of MPMSU and notifications.

IV. ii. University Examination:

There shall be two examinations annually (Main and Supplementary) conducted at an interval of not less than four to six months. The written examination in each subject shall consist of one paper of three hours duration and shall have maximum of 70 marks.

V. Type of questions and distribution of marks:

Each question paper shall be of 3 hours duration, carrying maximum marks of 70. There shall be three types of questions with distribution of marks as shown in Table I:

Table – I

Type of Questions	No. of Questions	Marks of Questions	Total Marks
Long Essay Type (One of them may be case scenario on Applied aspect)	2	10	20
Short Essay Type	10	3	30
Short Answer Type	10	2	20
GRAND TOTAL			70

Note: In case of Physiology & Biochemistry

The distribution of marks and types of questions will be as shown in Table-II and III.

Table – II

	Type of Questions	No. of Questions	Marks of Questions	Total Marks
Physiology	Long Essay Type	01	10	10
	Short Essay Type	05	03	15
	Short Answer Type	05	02	10
	GRAND TOTAL			35

Table – III

	Type of Questions	No. of Questions	Marks of Questions	Total Marks
Biochemistry Nutrition and Dietics	Long Essay Type	01	10	10
	Short Essay Type	05	03	15
	Short Answer Type	05	02	10
	GRAND TOTAL			35

Note: One Long Essay type in either of the two sections can be a case scenario based on applied aspects.

VI. Distribution of Marks in University Examination and Internal Assessment for various subjects is shown in Table IV:

Table – IV

Distribution of Marks in University Examination and Internal Assessment for various subjects of First year:

Scheme of Examination: General Anatomy including Embryology and Histology**A. Theory : 70 Marks****Distribution of Topics and Type of Questions;**

Contents	Type of Questions and Marks	Marks
Gross Anatomy of Head and Neck – Scalp, face, Triangles of Neck, Dural folds and Venous sinuses, contents of the Orbit excluding Eyeball, Parotid Gland, Infratemporal fossa, Temporo mandibular joint, Submandibular region, Thyroid gland, Pharynx, tongue, Nasal Cavity and paranasal air sinuses. Cranial nerves – V, VII, IX and XII Development of Branchial arches pharyngeal pouches apparatus, Face. Systemic Embryology and Systemic Histology.	Long Essays	20
Gross Anatomy of Head and Neck – Scalp, Face, Cervical fascia, Midline structures of the neck, Vertebral Joints of Neck, Contents of the Orbit excluding Eyeball, Vessels of Head and Neck, Infratemporal fossa, Mouth, Palate, Pharynx, Nasal Cavity, Cervical Part of Trachea and Oesophagus, Lymphatic drainage of Head and Neck Cranial nerves – V, VII, IX, XI and XII and Cervical Plexus General and Systemic embryology and Histology, Osteology of Head and Neck	Short Essays Short Answers	50
	Total	70

B. Viva Voce : 20 Marks**(All four examiners examine the student separately, 5 marks each)**

- a. Osteology of Head and neck : 05 marks
- b. Soft part from Head and Neck : 05 marks
- c. Embryology Models : 05 marks
- d. Radiological Anatomy : 05 marks

C. Internal Assessment – Theory: 10 Marks, Practical: 10 Marks**D. Practicals : 90 Marks****Gross Anatomy**

- a. Spotters carrying 2 marks each 2 x 10 = 20 marks
- b. Discussion on Two given dissected specimens 2 x 10 = 20 marks
- c. Surface Anatomy 10 x 1 = 10 marks

Histology

- a. Identification of 10 Slides of 02 mark each 02 x 10 = 20 marks
- b. Discussion on TWO given slides 10 x 2 = 20 marks

Scheme of Examination: Section-A General Human Physiology**A. Theory :****35 Marks**

Distribution of Topics and Types of Questions

Contents	Type of Questions and Marks	Marks
Long Essay Questions preferably from 1. Blood 2. Gastro intestinal tract 3. Cardio Vascular System 4. Respiratory System 5. Endocrines 6. Reproductive System	Long Essays	10
Short Essay Questions should be set from all the chapters. (Except the chapter on which a Long Essay Question has been set)	Short Essay	15
Short Answer Questions should be set from all the chapters. (Except the chapter on which a Long Essay Question has been set)	Short Answers	10
	Total	35 marks

B. Viva Voce : 10 Marks**Note: In Viva-voce (All four examiners examine the student separately)****C. Internal Assessment – Theory :05 marks, Practicals : 05 marks****D. Practicals : 45 Marks**

Major Experiments – 30 Marks

Any one of the Major Experiments

1. R.B.C. Count
2. W.B.C. Count
3. Differential Count
4. Blood Pressure Recording

Minor Experiments – 15 Marks

Any one of the minor Experiments

1. Determination of Blood Groups
2. Determination of Bleeding & Clotting time
3. Haemoglobin Estimation
4. Calculation of absolute Haematological Indices –MCH, MCV, MCHC

Scheme of Examination: Section-B Biochemistry Nutrition and Dietics**A. Theory****35 Marks**

Distribution of Topics and Types of Questions

Contents	Type of Questions and Marks	Marks
Chemistry of Carbohydrates, proteins, lipids and amino acids, Fat soluble and water soluble vitamins. Enzymes. Metabolism of carbohydrates, proteins, lipids and minerals	Long Essays	10
Chemistry and metabolism of : Carbohydrates, lipids, proteins, nucleic acids, minerals. Fats soluble and water soluble vitamins, Nutrition and dietetics, Liver function tests, pH and its biological importance, Renal function tests, Blood constituents, Biological oxidation.	Short Essay	15
Chemistry and metabolism of: Carbohydrates, lipids, proteins, nucleic acids, Minerals. Fats soluble and water soluble vitamins, Nutrition and dietetics, Liver function tests, pH and its biological importance, Renal function tests, Blood constituents, Biological oxidation.	Short Essay	15
Chemistry and metabolism of: Carbohydrates, lipids, proteins, nucleic acids, minerals. Fats soluble and water soluble vitamins, Nutrition and dietetics, Liver function tests, pH And its biological importance, Renal function tests, Blood constituents.	Short Answers	10
	Total	35 marks

B. Viva-Voce:**10 Marks****Note: In Viva-voce (All four examiners examine the student separately)****C. Internal Assessment –****Theory: 05 Marks, Practicals : 05 Marks****D. Practicals:****45 Marks**

1. One procedure for quantitative estimation
2. One procedure for qualitative analysis
3. Interpretation of Laboratory results in given chart

20 marks

15 marks

10 marks

Total**45 marks****The following are suggested:****Quantitative Estimation (Any ONE estimation to be done)**

1. Estimation of Blood Glucose – using Folin-wu method, using deproteinized blood.
2. Determination of Creatinine in Urine – using Jaffes's method
3. Determination of Titrable acidity and Ammonia content of Urine – using Malfatti's Method

Qualitative Analysis (Any ONE analysis to be done)

1. Identification of Carbohydrates – glucose, fructose, sucrose, lactose, maltose, starch.
2. Colour Reactions – albumin
3. Precipitation Reactions – albumin
4. Identification of Proteins – albumin, gelatin, casein, peptone
5. Urine Analysis – normal constituents
6. Urine Analysis – pathological constituents

Chart Interpretation (Interpretation of ONE Clinical chart)

1. Glucose tolerance Test
2. Values of Blood Constituents and their clinical variation:- urea, cholesterol, calcium, phosphorus, bilirubin

A. Theory : 70 Marks

Contents	Type of Questions and Marks	Marks
A. Dental anatomy- one question – 10 marks B. Dental histology – one question – 10 marks (One of them may be case scenario on Applied aspect)	Long Essays	20
A. Oral histology – five questions – 15 marks B. Dental anatomy – three questions – 9 marks C. Oral physiology – two question – 6 marks	Short Essays	30
A. Oral histology – Four questions – 08 marks B. Dental anatomy – two questions – 04 marks C. Oral physiology – two questions – 04 marks D. Oral embryology – two questions – 04 marks	Short Answers	20
E.	Total	70

C. Internal Assessment-Theory : 10 marks, Practicals: 10 marks

1. Carving	30 marks	1 hour 15 min
2. Spotters	60 marks (20 spotter x 3 marks)	1 hour 15 min
-	13 histology and ground section slides	
-	4 tooth identification	
-	3 casts for identifications of teeth, numbering system and age assessment.	



Madhya Pradesh Medical Science University Jabalpur

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 Anaesethetics-Hypnosedatives-Analgesics-Psychotropics-Antiepileptics-Analaptics
3) ANS	<ul style="list-style-type: none">-Local Anaesthetics- Sympathomimetic- Anti adrenergic drug- Parasympathomimetics- Parasympatholytics
4) CVS	<ul style="list-style-type: none">- Histamine- Antihistaminics- 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) 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
- Cough & Bronchial asthma
- 11) Respiratory system :

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
 - f. 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.	<u>Long answer question four:-</u> a) b) c) d)	4 X 5	20
3.	<u>short answer questions ten:-</u> a) b) c) d) e) f) g) h) i) j) k) l)	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 tooth/ typhodont.)
- IV) Exercise No. 3 (20 Marks)
- a. Titration 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 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. 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/Ivory 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

s

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

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 verification 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		
2	General and Dental Pharmacology & Therapeutics	ii) IA Practical/Clinical	10	-	200	150
		iii) Practical/Clinical + Internal Assessment (Practical/Clinical)	100	50		
		i) Theory (Written)	70	-		
		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



Madhya Pradesh Medical Science University Jabalpur

SYLLABUS OF THIRD B.D.S.

(Syllabus shall be as per DCI Norms. Please see DCI website)

A candidate who has successfully completed. The 2nd B.D.S. examination as per DCI norms can appear in the third B.D.S. Examination.

Candidate will be examined in the following subjects:

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

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: third BDS

Subject: General Medicine

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	20x1	20
2	Long answer question four:- a) b) c) d)	4x5	20
3	short answer questions ten:- a) b) c) d) e) f) g) h) i) j)	10X 3	30

Nature of Question Paper

Faculty with Year: third BDS

Subject: General Surgery

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	20x1	20
2	Long answer question four:- a) b) c) d)	4x5	20
3	short answer questions ten:- a) b) c) d) e) f) g) h) i) j)	10X 3	30

Nature of Question Paper

Faculty with Year: third BDS

Subject: Oral Pathology and Oral Microbiology

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	20x1	20
	Section A: Oral Pathology		
2	Long answer question two:- a) b)	2x5	10
3	short answer questions five:- a) b) c) d) e)	5X 3	15
	Section B: Oral Microbiology		
4	Long answer question two:- a) b)	2x5	10
5	short answer questions five:- a) b) c) d) e)	5X 3	15

MARKS DISTRIBUTION IN EACH SUBJECT:

Each subject shall have a maximum of 200 marks.

Theory 100 marks.

Practical/Clinical 100 marks.

Theory – 100 marks.	Practicals/ clinicals – 100 marks.
University written exam 70 marks.	University Exam 90 marks.
Viva Voce 20 marks.	Internal assessment 10 marks.
Internal assessment 10 marks.	

Criteria for a pass:

- For declaration of pass in a subject, a candidate shall secure 50% marks in the University examination both in Theory and Practical/ Clinical examinations separately, as stipulated below:
 - A candidate shall secure 50% marks in aggregate in University theory including Viva Voce and Internal assessment obtained In University written examination combined together.
 - In the University Practical/ clinical examination, a candidate shall secure 50% Of University practical marks and Internal Assessment combined together.
- Successful candidates who obtain 65% of the total marks or more shall be declared to have passed the examination in First Class. Other successful candidates will be placed in Second Class.
- A candidate who obtains 75% and above is eligible for Distinction.
- Only those candidates who pass the whole examination in the first attempt will be eligible for distinction or class.

Grace Marks: Grace marks upto a maximum of 5 marks shall be awarded to students as per university norms



मध्यप्रदेशआयुर्विज्ञानविश्वविद्यालय, जबलपुर
Madhya Pradesh Medical Science University, Jabalpur

Curricula for B.D.S. Final (Fourth year) Examination

Syllabus shall be as per the norms of Dental Council of India. Please see DCI website for complete syllabus.

Candidate will be examined in the following subjects:

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

EXAMINATIONS PATTERN

The written examination in each subject shall consist of one paper of three hours duration and shall have maximum marks of 70.

MARKS DISTRIBUTION IN EACH SUBJECT:
Each subject shall have a maximum of 200 marks.

Theory = 100 Marks

University written exam	=70 Marks
Viva Voce	=20 Marks
Internal assessment	=10 Marks

Practicals/ clinicals =100 Marks

University Exam	=90 Marks
Internal assessment	=10 Marks

NATURE OF THEORY QUESTION PAPERS:
Pattern of Theory Examination including Distribution of Marks, Questions, Time.

Faculty with Year: BDS Final Year
Subject:

Maximum Marks: 70 Time: 3 Hours

Instructions:

- a) All questions are compulsory
- b) Draw diagrams wherever necessary
- c) Answers of Questions and Sub questions must be written strictly according to the serial order of question paper.
- d) MCQ has to be answered in theory answer book
- e) Please write MCQ answer neatly and in serial order with black or blue pen in brackets for example:- 1. (a) 2. (b)
- f) MCQ has to be answered only once, any kind of repetition or cutting or erasing or whitener will be considered as malpractice, Such answers will not be counted in the marks and action will be taken according to UFM rules of University
- g) Student can answer the question in both Hindi & English language

Question No	Question Description	Division of Marks	Total Marks
1	Total MCQs : 10	10 X1	10
2	Long answer question four a) b) c) d) e)	5 X6	30
3	short answer questions ten a) b) c) d) e) f) g) h) i) j)	10X3	30

Criteria for a pass:

- ☐ For declaration of pass in a subject, a candidate shall secure 50% marks in the University examination both in Theory and Practical/ Clinical examinations separately, as stipulated below:
 - o A candidate shall secure 50% marks in aggregate in University theory including Viva Voce and Internal assessment obtained in University written examination combined together.
 - o In the University Practical/ clinical examination, a candidate shall secure 50% Of University practical marks and Internal Assessment combined together.
- ☐ Successful candidates who obtain 65% of the total marks or more shall be declared to have passed the examination in First Class. Other successful candidates will be placed in Second Class.
- ☐ A candidate who obtains 75% and above is eligible for Distinction.
- ☐ Only those candidates who pass the whole examination in the first attempt will be eligible for distinction or class.

Grace Marks: Grace marks upto a maximum of 5 marks shall be awarded to students as per university norms