

**First Professional Examination (Academic Session 2023-24)**

SN	Name of Subject	Subject Code	Theory				Theory Total		Practical	Viva	Practical /clinical +Viva		Grand Total		Internal Assessment				(IA Grand Total)	
			Paper1		Paper2		MAX	MIN			MAX	MIN	MAX	MIN	Theory		Practical		MAX	MIN
			MAX	MIN	MAX	MIN									MAX	MIN	MAX	MIN		
1.	Anatomy	23MBBS101	100	40	100	40	200	80	80	20	100	40	300	150	500	200	500	200	1000	500
2.	Physiology	23MBBS102	100	40	100	40	200	80	80	20	100	40	300	150	500	200	500	200	1000	500
3.	Biochemistry	23MBBS103	100	40	100	40	200	80	80	20	100	40	300	150	500	200	500	200	1000	500
<b>Total</b>			<b>300</b>	<b>120</b>	<b>300</b>	<b>120</b>	<b>600</b>	<b>240</b>	<b>240</b>	<b>60</b>	<b>300</b>	<b>120</b>	<b>900</b>	<b>450</b>	<b>1500</b>	<b>600</b>	<b>1500</b>	<b>600</b>	<b>3000</b>	<b>1500</b>

**Note: Mandatory to get 40% marks separately in theory and in practical and aggregate of 50% for theory plus practical. Learner must secure minimum 50% marks in internal Assessment in order to be eligible for appearing in the final University Examination of that subject.**

Sd/-  
HOD, Anatomy

Sd/-  
Chairman-BOS, Faculty of Medicine

Sd/-  
COE, Chirayu University, Bhopal

Sd/-  
HOD, Physiology

Sd/-  
HOD, Biochemistry

Sd/-  
Dean, Faculty of Medicine

Sd/-  
Vice Chancellor, Chirayu University, Bhopal



**SCHEME OF EXAMINATION: ANATOMY  
UNIVERSITY EXAMINATION**

**A. THEORY : 200 MARKS**

There shall be two theory papers of 100 marks each and duration of each paper will be of 3 hours. The pattern of questions would be as per the decision taken in Board of Examination.

**Distribution of chapters and suggested marks in parenthesis for Paper I and Paper II in Anatomy for University examination are as follows\*:**

**Anatomy Paper-I (Paper Code 23MBBS101001)**

SN	Topics	Marks
1	Head a neck with relevant Embryology and histology	25
2	Brain Spinal Cord with relevant Embryology and histology	15
3	Upper Limb	20
4	Thorax including diaphragm with relevant Embryology and histology	20
5	General Anatomy	20
6	General Embryology	
7	General Histology	
<b>TOTAL</b>		<b>100</b>

**Note: 1. For detail syllabus please refer to competency based undergraduate curriculum Vol. 01 by NMC in 2018.**

**2. \*The topics assigned to the different papers are generally evaluated under those sections. However a strict division of the subject may not be possible and some overlapping of topics is inevitable.**

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Sd/-  
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**SCHEME OF EXAMINATION: ANATOMY  
UNIVERSITY EXAMINATION**

**Anatomy Paper -II (Paper Code 23MBBS101002)**

<b>SN</b>	<b>Topics</b>	<b>Marks</b>
1	Abdomen with relevant Embryology and Histology	35
2	Pelvis and perennial with relevant Embryology and Histology	25
3	Lower Limb	30
4	Genetics	10
5	AETCOM	
<b>TOTAL</b>		<b>100</b>

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**SCHEME OF EXAMINATION: PHYSIOLOGY  
UNIVERSITY EXAMINATION**

**A. THEORY : 200 MARKS**

There shall be two theory papers of 100 marks each and duration of each paper will be of 3 hours. The pattern of questions would be as per the decision taken in Board of Examination.

**Distribution of chapters and suggested marks in parenthesis for Paper I and Paper II in Physiology for University examination are as follows\*:**

**Physiology Paper-I (Paper Code 23MBBS102001)**

SN	Topics	Marks
1	General Physiology	10
2	Blood	15
3	Nerve Muscle Physiology	15
4	Cardio Vascular System	25
5	Respiratory System	20
6	G.I.T.	15
<b>TOTAL</b>		<b>100</b>

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**SCHEME OF EXAMINATION: PHYSIOLOGY  
UNIVERSITY EXAMINATION**

**Physiology Paper II (Paper Code 23MBBS102002)**

SN	Topics	Marks
1	CNS	30
2	Special Senses	15
3	Reproductive System	10
4	Endocrine System	20
5	Renal Physiology	15
6	Integrated Physiology (Body Temperature Regulation, Exercise Physiology, Physiology of Infancy and aging, Meditation)+ AETCOM (Module 1.2, 1.3)	8+2
<b>TOTAL</b>		100

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**SCHEME OF EXAMINATION: BIOCHEMISTRY**  
**UNIVERSITY EXAMINATION**

**A. THEORY : 200 MARKS**

There shall be two theory papers of 100 marks each and duration of each paper will be of 3 hours. The pattern of questions would be as per the decision taken in Board of Examination.

**Distribution of chapters and suggested marks in parenthesis for Paper I and Paper II in Biochemistry for University examination are as follows\*:**

**Biochemistry Paper-I (Paper Code 23MBBS103001)**

SN	Topics	Marks
1	Cell structure and function, subcellular organelles, cell membrane, transport across the membranes	05
2	Enzymes	20
3	Chemistry, digestion, absorption and metabolism of Carbohydrates, Lipids, amino acids and proteins, Biological oxidation, integration of metabolism	40
4	Nutrition, Vitamins & Minerals	20
5	Detoxification and Xenobiotics	05
6	Extracellular Matrix	05
7	AETCOM	05
<b>TOTAL</b>		<b>100</b>

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**SCHEME OF EXAMINATION: BIOCHEMISTRY**  
**UNIVERSITY EXAMINATION**

**Biochemistry Paper -II (Paper Code 23MBBS103002)**

SN	Topics	Marks
1	Nucleotides and nucleic acid chemistry Purine and Pyrimidine metabolism, DNA metabolism RNA metabolism	20
2	DNA replication, transcription, Protein synthesis, Molecular genetics, regulation of gene expression, recombinant DNA technology, PCR and gene therapy	20
3	Electrolyte and water balance, acid base balance and associated disorders	20
4	Haem metabolism, normal and abnormal haemoglobins, organ function tests & immune system	20
5	Free radicals and antioxidants, Biochemistry of cancer, Oncogenes and tumour markers	10
6	Techniques in biochemistry laboratory and clinical biochemistry	10
<b>TOTAL</b>		<b>100</b>

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