

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI  
(MID SEMESTER EXAMINATION SP/2025)**

**CLASS: BSC.  
BRANCH: BMLT**

**SEMESTER: II  
SESSION: SP/2025**

**SUBJECT: BMT201 HUMAN ANATOMY AND PHYSIOLOGY- II**

**TIME: 2 HOURS**

**FULL MARKS: 25**

**INSTRUCTIONS:**

1. The question paper contains 5 questions each of 5 marks and total 25.
  2. Attempt all questions.
  3. The missing data, if any, may be assumed suitably.
  4. Tables/ Data handbook/ Graph paper etc., if applicable, will be supplied to the candidates.
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Q1	(a)	Write the highlighted role of urinary system in human physiology.	[2]	CO	BL
Q1	(b)	Draw and label the structure of urinary system and explain in short about the anatomy of urinary system.	[3]	CO1	L2
Q2	(a)	Name the physical parameters and its standard characteristics of urine in a healthy adult.	[2]	CO3	L2
Q2	(b)	Explain in short about: Proteinuria, dysuria and hematuria.	[3]		
Q3	(a)	Define nerve cells. Write the two differences between bipolar and multi-polar nerves with example.	[2]	CO2	L2
Q3	(b)	Draw and label the anatomical structure of human brain. Write the function of different types of lobe present in human brain.	[3]	CO3	L1
Q4	(a)	Write the classification of nervous system. How to differentiate the efferent and afferent nerves with examples?	[2]	CO2	L1
Q4	(b)	Define synapse. Explain in short about the various factors that affect the neurons and brain.	[3]	CO3	L2
Q5	(a)	Define and classify the glands. Name the major endocrine glands.	[2]	CO2	L2
Q5	(b)	How to differentiate endocrine and exocrine glands? Give suitable examples of each.	[3]	CO3	L2

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