

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)**

**CLASS: BMLT
BRANCH: BMLT**

**SEMESTER : I
SESSION : MO/2024**

SUBJECT: BMT101 HUMAN ANATOMY & PHYSIOLOGY- I

TIME: 3 Hours

FULL MARKS: 50

INSTRUCTIONS:

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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			CO	BL
Q.1(a)	What are the similarities of plant and animal cells? Write the role of chloroplasts and Lysosomes.	[5]	CO2	L1
Q.1(b)	How anabolism and catabolism works in our physiological system?	[5]	CO3	L2
Q.2(a)	Write the significant role of human skeleton system.	[5]	CO2	L1
Q.2(b)	Write the functions of joints and its clinical significance.	[5]	CO2	L2
Q.3(a)	Explain blood grouping system and short notes on Rh factors.	[5]	CO3	L2
Q.3(b)	Define clotting. Write the five important functions of blood platelets.	[5]	CO2	L1
Q.4(a)	Draw the structure and function of respiratory system	[5]	CO4	L1
Q.4(b)	Write the important functions of small intestine and pancreas in the digestive system.	[5]	CO2	L2
Q.5(a)	Draw and labeled the anatomical structure of human heart with its function.	[5]	CO4	L2
Q.5(b)	Write the role of veins, arteries, tricuspid valve, septum and bicuspid valve.	[5]	CO3	L1

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