

(2)

7. What are the non-digestive role of the liver?
8. What types of muscle tissue present in the body?

Group - B

Answer any **four** of the following questions : 5×4=20

9. Role of the pancreas and small intestine in digestion.
10. Function of pineal gland.
11. Name two neurotransmitters with their action in different tissues.
12. Mechanism of action of insulin.
13. Describe ornithine cycle.
14. Structural arrangement of skeletal muscle.

Group - C

Answer any **one** of the following questions : 10×1=10

15. Explain adaptive role of red blood cells for efficient gas exchange. What is the main structural difference between a red blood cell and a white blood cell? What are the main functions of platelets? 5+2+3
16. Discuss the mechanism of generation and propagation of nerve impulse. 5+5

Total Pages : 2

B.Sc./2nd Sem (H)/BIT/24(CBCS)

2024

2nd Semester Examination
BIOTECHNOLOGY (Honours)

Paper : C 3-T

(Mammalian Physiology)

[CBCS]

Full Marks : 40

Time : Two Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any **five** of the following questions : 2×5=10

1. How does food move through the digestive tract?
2. What are the types of blood cells?
3. Name some common digestive disorders.
4. What is the function of plasma?
5. What happens when blood is left to stand in a test tube?
6. What are the main components of plasma protein?

P.T.O.