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CCFUP/1st Sem/BMLT/w.e.f.2023-24(NEP)

2025

1st Semester Examination (CCFUP : NEP)

BMLT

Paper : MI 1-T (Minor)

(Basic Anatomy and Physiology)



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* questions : $2 \times 5 = 10$

1. What is negative feedback mechanism? Give one physiological example. 1+1
2. Mention any two buffer systems responsible for maintaining blood pH. 1+1
3. Define Glomerular Filtration Rate (GFR) and state its normal value. 1+1
4. Name any two hormones secreted by the anterior pituitary gland.
5. State the function of diaphragm in respiration.
6. Mention two functions of the liver.

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(2)

7. What is systolic blood pressure?
8. Define bradycardia.



Group - B

Answer any *four* questions : $5 \times 4 = 20$

9. Describe digestion of carbohydrates in the human digestive system.
10. Write a brief note on renal failure and its causes. 3+2
11. Describe the structure and major functions of the thyroid gland. 3+2
12. What is pancreatitis? Explain the digestive function of pancreas. 1+4
13. Describe the mechanism of carbon dioxide transport in blood.
14. Differentiate between high and low blood pressures. How is mean blood pressure calculated? 2+3

Group - C

Answer any *one* question : $10 \times 1 = 10$

15. Describe the detailed structure of nephron. Discuss the process of formation of urine in man. 5+5
 16. Define reflex arc. Draw and describe the functions of various components of reflex action. 2+(3+5)
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