

Time: 02 Hrs

Instructions:

1. Write the Roll no. on your question paper.
2. Candidate should ensure that the question paper supplied to them is complete in all respects. Complaints in this regards, if any, should be made to the invigilatory staff on the duty in the exam centre within 15 minutes of Commencement of the exam. No complaint shall be entertained thereafter.

(Section: A)

Q. A Multiple-Choice Questions:

[5]

1. The ventricular muscles accept impulses directly from.....

- | | |
|------------|--------------------|
| a. AV node | b. Bundle of His |
| c. Pulse | d. Purkinje system |

2. In which part of the respiratory system, gaseous exchange takes place?

- | | |
|------------|------------|
| a. Alveoli | b. Larynx |
| c. Pharynx | d. Trachea |

3. Which of the following is synthesized and stored in the liver cells?

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|--------------|--------------|
| a. Galactose | b. Glycogen |
| c. Lactose | d. Arabinose |

4. What portion of the nephron extends into the medulla?

- | | |
|-------------------------------|-----------------------------|
| a. Nephron loop | b. Distal convoluted tubule |
| c. Proximal convoluted tubule | d. None of these |

5. In the striated muscles, the functional unit of contractile system is.....

- | | |
|------------------|--------------|
| a. Z band | b. Sarcomere |
| c. Cross bridges | d. Myofibril |

Q. B Very short Answer type question:

[5]

6. What do you mean by lymphadenitis?

7. Define epiglottis.

8. Write two function of liver.

9. What does M-line shows?

10. Where is sinoatrial node situated?

(Section: B)

Q. C Short Answer Type Questions: (Attempt any five)

(5 × 3 = 15)

1. What is the difference between artery and vein?
2. Write a short note on spleen and give its function.
3. Explain mechanism of breathing.
4. Write a note on salivary gland.
5. Discuss the anatomy and function of kidneys.
6. Differentiate between smooth and cardiac muscles.

(Section: C)

Q. D Long Answer Type Questions: (Attempt any three)

(5 × 3 = 15)

1. Give an illustrative note on physiology of digestion and absorption of nutrients.
2. Explain cardiac cycle in detailed.
3. Write a detail note on structure and function of lymph nodes and lymph vessels.
4. Draw a labelled diagram of human urinary system. Describe the physiology of urine formation.