

17436

11920

3 Hours / 100 Marks

Seat No.

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- Instructions* – (1) All Questions are *Compulsory*.
(2) Answer each next main Question on a new page.
(3) Illustrate your answers with neat sketches wherever necessary.
(4) Figures to the right indicate full marks.
(5) Assume suitable data, if necessary.

Marks

- 1. Attempt any FIVE of the following: 20**
- List the functions of skeletal muscles.
 - Define cardiac out put.
 - Give the Functions of skin.
 - Give list of instruments used to detect abnormal functioning of heart.
 - Define any two respiratory parameters.
 - Write normal value of blood pressure in adult.
 - Define resting membrane potential.
 - List the instruments related to respiration.
- 2. Attempt any TWO of the following: 16**
- Enlist different types of tissues with its sketch and mention functions of each.
 - Describe conduction system of heart in detail.
 - Give composition and functions of blood.

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- 3. Attempt any TWO of the following:** **16**
- a) Give the structure and function of cell organelles and draw a well labelled diagram.
 - b) Describe the anatomy of heart with a neat labelled diagram.
 - c) Describe the mechanism of gaseous exchange in the lungs.
- 4. Attempt any TWO of the following:** **16**
- a) Describe central nervous system in detail.
 - b) Give the anatomy of eye and its function.
 - c) Describe the structure of pituitary gland and hormones secreted by pituitary gland.
- 5. Attempt any TWO of the following:** **16**
- a) Mention the enzymes secreted by digestive organs and their functions
 - b) Describe urinary system with suitable diagram.
 - c) Distinguish between CNS and ANS. (Write 8 points).
- 6. Attempt any TWO of the following:** **16**
- a) Draw female reproductive system and enlist hormones secreted by female reproductive organs with their functions.
 - b) Describe the process of urine formation.
 - c) Describe respiratory system with suitable diagram.
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