

22347

22223

3 Hours / 70 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.
(6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. Attempt any FIVE of the following: 10
- Draw the structure of cell.
 - List any two instruments related to heart.
 - Give the function of alveoli with it's neat diagram.
 - List any two diseases related to digestive system.
 - Give any two hormones secreted by reproductive system.
 - State the function of retina.
 - Name the instrument that can be helpful to the doctor for examination of digestive tract.

P.T.O.

- 2. Attempt any THREE of the following:** **12**
- a) Describe anatomy of heart.
 - b) Define any four respiratory parameters.
 - c) Identify the muscles that are helpful to control the contraction and relaxation of heart and give any two properties.
 - d) Draw the structure of female reproductive system.
- 3. Attempt any THREE of the following:** **12**
- a) A patient is suffering from anemia. Identify the blood cell that should be increased and explain it.
 - b) Name the endocrine glands of human body and explain any one.
 - c) State the function of blood.
 - d) List any four diseases related to cardiovascular system.
- 4. Attempt any THREE of the following:** **12**
- a) Identify the part of respiratory system called as voice box and explain it.
 - b) List the organs of human digestive system and draw it's related sketch.
 - c) Name the gland located in front of trachea and just below the larynx. Also give it's function.
 - d) List any four functions of bone.
 - e) Describe the hearing mechanism.
- 5. Attempt any TWO of the following:** **12**
- a) Draw the urinary system and give the function of kidney.
 - b) Describe the structure of eye with neat diagram.
 - c) Give the importance of spinal cord with neat sketch.

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[3]

Marks

6. Attempt any TWO of the following:

12

- a) Describe the structure of skin with suitable diagram.
 - b) Describe the anatomy of respiratory system with neat diagram.
 - c) A person after consuming alcohol walks clumsily. Justify it and describe main parts of brain in short.
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