

22347

12425

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) Figures to the right indicate full marks.  
(4) Assume suitable data, if necessary.  
(5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

**Marks**

1. Attempt any FIVE of the following : 10
- a) List out the instruments related to respiration.
  - b) Give any two functions of kidney.
  - c) List different blood group.
  - d) Write names of Male reproductive system.
  - e) Define heart rate and pulse rate.
  - f) Name the instrument that can be helpful to the doctor for examination of digestive tract.
  - g) Draw the structure of neuron and label it.
2. Attempt any THREE of the following : 12
- a) Describe anatomy of Heart with a neat sketch.
  - b) Identify use of following instruments –
    - i) ECG machine
    - ii) Stethoscope
  - c) Name any four parts involved in respiratory with one function of each.
  - d) Draw female reproductive system and label it.

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- 3. Attempt any THREE of the following :** **12**
- a) State the function of blood.
  - b) Classify bones and give its examples.
  - c) List any four diseases related to cardiovascular system.
  - d) Describe the position and functions of any one endocrine gland.
- 4. Attempt any THREE of the following :** **12**
- a) Explain the structure and function of cell organelles.
  - b) Select any four instruments related to respiratory system and give its functions.
  - c) Draw and explain urinary system.
  - d) Identify the location of following glands and state its function –
    - i) Pitutory gland
    - ii) Thyroid gland
  - e) Describe anatomy of eye and the process of image formation.
- 5. Attempt any TWO of the following :** **12**
- a) Explain the mechanism of formation of urine.
  - b) Explain anatomy of ear with a neat sketch.
  - c) Describe nervous system with a neat labeled diagram.
- 6. Attempt any TWO of the following :** **12**
- a) Explain respiratory system with a neat diagram.
  - b) Describe the structure of skin with suitable diagram.
  - c) List any three diseases related to nervous system and also suggest any three instruments related to nervous system.
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