

# 17436

**21314**

**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) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

**Marks**

1. Attempt any TEN of the following: 20
- Define joint.
  - Properties of cardiac muscle.
  - Define Blood pressure.
  - Classification of Nervous system.
  - Define cell.
  - Enlist any four blood group systems.
  - Instruments used in Urinary disorders (any four).
  - Define :
    - Repolarization.
    - Depolarization.

P.T.O.

- i) Location of Pharynx and Trachea.
- j) Enlist organs of digestive system.
- k) Define Hormones.
- l) Function of thyroid gland.
- m) Composition of gastric juice.
- n) Enlist endocrine glands.

**2. Attempt any FOUR of the following: 16**

- a) Describe structure of cell.
- b) Define heart rate and write its significance.
- c) Describe in detail mechanism of respiration.
- d) Name instruments used in Urinary system.
- e) Describe male reproductive system.
- f) Describe peripheral Nervous system.

**3. Attempt any FOUR of the following: 16**

- a) Write (any four) functions of blood.
- b) Describe electrical activity of heart.
- c) Name instruments used in respiratory disorder? Write any four diseases.
- d) Describe Anatomy of the kidney.
- e) Describe female reproductive system.
- f) Describe spinal cord.

- 4. Attempt any FOUR of the following: 16**
- a) Explain classification of bones.
  - b) Define cardiac output and how it is measured.
  - c) What is a respirator? Explain its function.
  - d) Describe formation of Urine.
  - e) Write the function of female hormone.
  - f) Draw a well labelled diagram of eye.
- 5. Attempt any FOUR of the following: 16**
- a) Define tissue and write their function.
  - b) Describe anatomy of heart.
  - c) Describe anatomy of Lungs and their function.
  - d) Write name of digestive juices and their function.
  - e) Describe central Nervous system.
  - f) Distinguish between skeletal muscle and smooth muscle.
- 6. Attempt any FOUR of the following: 16**
- a) Describe in detail ABO blood group system.
  - b) Describe anatomy of ear and its function.
  - c) Describe the cavities in brain.
  - d) How gases exchange between a capillary and alveolus.
  - e) Name and give functions of hormones secreted by pituitary gland.
  - f) Describe in detail structure of skin.
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