

# 313328

**12526**

**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) 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) State functions of blood.
  - b) List any two functions of tissues.
  - c) Name any two instruments related to cardio vascular system.
  - d) Write the function of excretory system.
  - e) State any four organs related to digestive system.
  - f) List any four endocrine glands.
  - g) Name any two diseases related to Nervous system.
- 2. Attempt any THREE of the following :** **12**
- a) Draw neat labelled diagram of Cell.
  - b) Describe the process of gases exchange in alveoli.
  - c) Explain the functions of Kidney.
  - d) Compare CNS and PNS (Any four points)

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- 3. Attempt any THREE of the following : 12**
- a) Explain Classification of Bone.
  - b) State the functions of Pharynx and Larynx.
  - c) Explain the functions of major organs of female reproductive system.
  - d) Draw neat labelled diagram of Human Eye.
- 4. Attempt any THREE of the following : 12**
- a) Define heart rate and pulse rate. Name the instrument used to measure heart rate and pulse rate.
  - b) Describe formation of urine with neat diagram.
  - c) Identify the type of endocrine gland to be treated for the poor vision found in children and explain that gland.
  - d) Describe the structure of skin.
  - e) List any four hormones secreted by Male reproductive system and also write their functions.
- 5. Attempt any TWO of the following : 12**
- a) Draw and explain respiratory system.
  - b) Explain the function of nephron with diagram.
  - c) Describe the mechanism of hearing with neat sketch.
- 6. Attempt any TWO of the following : 12**
- a) Describe in detail about different types of joints in human body with suitable example.
  - b) Draw and explain the structure of human heart.
  - c) Explain human digestive system with neat sketch.
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