

0809

14115

3 Hours / 80 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 indicates full marks.

Marks

1. Attempt any EIGHT of the following : 16
- Why lysosomes are called as suicidal bags ?
 - Write functions of ovary.
 - Define pupil. How its size is controlled ?
 - Give functions of endocrine pancreas.
 - Name different types of blood groups.
 - Name sinuses present in the skull.
 - Define Digestion. Give Composition of gastric juice.
 - Give classification of WBC's.
 - Give four functions of skeleton.
 - Enlist the organelles of the cell.
 - Name the valves of the heart.
 - Name the bones of lower limb.

P.T.O.

- 2. Attempt any FOUR of the following :** **12**
- a) Give functions of respiratory system.
 - b) Draw a well labelled diagram of L.S. of tooth.
 - c) Explain portal circulation give its importance.
 - d) Define –
 - (i) cardiac output
 - (ii) hypertension
 - e) Give functions of lymphatic system.
 - f) What are accessory glands of male reproductive system ? Explain their functions.
- 3. Attempt any FOUR of the following :** **12**
- a) Explain Renin-Angiotensin-aldosterone system.
 - b) Give functions of large intestine.
 - c) Name the ventricles of the brain. Give functions of CSF.
 - d) Explain how B.P. is measured clinically.
 - e) Define and give normal value of
 - (i) Tidal volume
 - (ii) Vital capacity
 - f) Classify bones according to their shapes and size. Give one example of each type.

- 4. Attempt any FOUR of the following :** **12**
- a) Explain different phases of gastric secretion.
 - b) Define –
 - (i) Agranulocytosis
 - (ii) Thrombosis
 - (iii) Oedema
 - c) Classify elementary tissues of body. Draw a labelled diagram of neuron.
 - d) Differentiate between exocrine gland and endocrine gland with one example of each.
 - e) Describe pulmonary circulation with the help of neat diagram.
 - f) What is Rh factor ? Give its clinical importance.
- 5. Attempt any FOUR of the following :** **12**
- a) Write structure and functions of middle ear.
 - b) Give composition and functions of bile.
 - c) Enlist cartilages of larynx.
 - d) Draw a well labelled diagram of internal organs of female reproductive system.
 - e) Define shock. What are different types of shock.
 - f) Define –
 - (i) Puberty
 - (ii) Menopause
 - (iii) Neurotransmitter

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[4]

Marks

6. Attempt any FOUR of the following :

16

- a) Draw a well labelled diagram of respiratory system.
 - b) Name the sutures of the skull with the bones involved in their formation.
 - c) Name the salivary glands of the body. Give functions of Saliva.
 - d) What is retina ? Give its structure and function.
 - e) Give classification of nervous system in detail.
 - f) Explain anatomy and physiology of thyroid gland.
 - g) Explain physiology of muscle contraction. Mention the muscles of neck and shoulder.
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