

13046

11718

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) 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: 20**
- Types of muscle tissues and their functions.
 - Define Haemostasis. Write the names of blood clotting factors.
 - Write about the structure of the heart.
 - Write the functions of cerebellum.
 - Write the functions of adrenal gland.
 - Explain the mechanism of respiration.
 - Write the names of salivary glands and explain their functions.
- 2. Attempt any TWO of the following: 16**
- Write the position and structure of liver. Write the blood supply of liver and explain the functions of liver.
 - Discuss the phases of menstrual cycle.
 - Write the blood supply of heart and explain how the circulation of blood takes place through heart.

P.T.O.

- 3. Attempt any TWO of the following:** **16**
- a) Explain the role of skin in temperature regulation. Write the functions of skin.
 - b) Write about autonomic nervous system. Write the types and describe in detail.
 - c) Write the secretions of pituitary glands in detail.
- 4. Attempt any TWO of the following:** **16**
- a) Define blood pressure. Write the methods of examining blood pressure.
 - b) Write the names of vertebral column. Write the functions of vertebral column.
 - c) Why pancreas is called a dual organ? Explain the functions of pancreas.
- 5. Attempt any FOUR of the following:** **16**
- a) Write the names of cranial nerves.
 - b) Write the names of alimentary canal. Explain the functions of stomach.
 - c) Write about auditory ossicles.
 - d) Discuss the secretions of Thyroid gland.
 - e) Write the structure and function of Golgi apparatus.
 - f) Name the different sense organs with their functions.
- 6. Attempt any FOUR of the following:** **16**
- a) Discuss in brief H.I.V. infection.
 - b) Write the functions of platelets and write the normal range of platelets.
 - c) Write the names of blood vessels. Explain the structure of Arteries.
 - d) Write a note on lung volume and lung capacity.
 - e) Explain the microscopic structure of kidney.
 - f) Write the names of cranial bones.
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