

Time: 3 hours

SECTION-I

$1 \times 4 = 4$

Give the Meaning for the Following:

- a. Meiosis b. Histology c. Diffusion d. Pasteurization

$1 \times 4 = 4$

Fill in the Blanks:

- a. Middle layer of heart is called as _____
b. Cholera is caused by _____
c. The smallest bone in the body is _____
d. _____ is largest lymphatic organ.

$4 \times 4 = 16$

Write short notes on any Four of the following:

- a. Structure of cell b. Microscope c. Trachea
d. Structure of Ear e. Femur

$2 + 5 = 7$

- a. List down the endocrine glands
b. Explain the structure of pituitary gland and its hormones

$3 + 4 = 7$

- a. List the organs of Digestive system
b. Explain the structure of liver with a neat labeled diagram

SECTION-II

$1 \times 4 = 4$

I. State whether the following statements are true or false:

- a. Autoclaving is a method of disinfection.
b. Peritoneum is the covering membrane of heart.
c. Rabies is a Zoonotic disease.
d. Tetanus is caused by Clostridium tetani.

Choose the correct answer from the following:

$1 \times 3 = 3$

- a. Normal duration of cardiac cycle is
i. 0.8 second ii. 0.6 sec iii. 1 minute.

- b. The acid fast bacteria is
i. Mycobacterium tuberculosis ii. E. coli iii. Salmonella typhi

- c. The first part of Large intestine is
i. Caecum ii. Transverse colon iii. Sigmoid colon

I. Write short notes on any Four of the following:

$4 \times 4 = 16$

- a. Blood Groups b. Cranial Nerves c. Functions of Bones
d. Cerebro spinal fluid e. Physiology of vision

- a. Define Immunity.
b. Explain the types of Immunity

$2 + 4 = 6$

- a. List the types of Tissue.
b. Explain the functions of Muscular Tissue

$3 + 5 = 8$

Or

- a. Draw a neat diagram of Heart.
b. Explain the conducting system of Heart

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