

Time : 1 hour 15 Minute

STD 11 Science Biology
Chapter Based Test

Total Marks : 40

SECTION A

* Choose The Right Answer From The Given Options.[1 Marks Each] [5]

- Mast cells of connective tissue contain.
(A) Vasopressin and relaxin. (B) Heparin and histamine.
(C) Heparin and calcitonin. (D) Serotonin and melanin.
- Haversian canals are found in _____.
(A) Muscle (B) Nerve (C) Cartilage (D) Bone
- Cilia, Flagella and microvilli are associated with the.
(A) Epithelial tissue. (B) Muscular tissue.
(C) Connective tissue. (D) Nervous tissue.
- Tendons connect the following:
(A) Bone to bone. (B) Muscle to muscle.
(C) Cartilage to muscle. (D) Bone to muscle.
- Which of these structures protects the eyes of the frog in water?
(A) Nictitating (B) Tympanum (C) Bidder's canal (D) Cloaca
membrane

* Answer The Following Questions In One Sentence.[1 Marks Each] [6]

- Mention the function of the following:
Body wall in earthworm.
- What is the shape of tadpole of frog? Name the hormone that helps in its metamorphosis.
- How many ganglia are present in the thorax and abdomen, respectively in a cockroach?
- Name the type of epithelium, which:
 - Forms the inner lining of blood vessels
 - Lines the buccal cavity.
- Mark the odd one in each of the following groups.
Crop, gizzard, mesenteron, oesophagus.
- Where are spermathecae present in a female cockroach?

SECTION B

* Given Section consists of questions of 2 marks each. [10]

- What are exocrine glands? Name the secretions of any two exocrine glands.

2. What are the two types of fibres found in the connective tissue? Mention their functions.
3. Special venous connection between liver and intestine and between kidney and intestine is found in frog, what are they called?
4. What is pseudostratified epithelium?
5. Name the tissue that performs the following functions:
 - i. Coagulation.
 - ii. Transmission of message.
 - iii. Clearing dead cells.
 - iv. Haemopoiesis.

SECTION C

* Given Section consists of questions of 3 marks each.

[9]

1. Write the appropriate type of tissues in Column B according to the functions mentioned in Column A.
 - a. Secretion and absorption _____.
 - b. Protective covering _____.
 - c. Linking and supporting framework _____.
2. Name the main excretory organs of cockroach. Write the structure of these organs.
3. What do you understand by special junctions between cells? Which type of special junction are found in epithelial tissues?

SECTION E

* Given Section consists of questions of 5 marks each.

[10]

1. Draw a neat diagram of digestive system of frog.
2. Explain the morphology of an earthworm.

॥ ज्ञानं एव श्रमस्य पुंजः ॥