

ZOOLOGY

2017

Time: 1 Hours 45 Minutes

Marks: 22

SECTION 'B' (SHORT-ANSWER QUESTIONS)

NOTE: Answer 11 questions from this section.

2.(a) Reasoning Questions:

- (i) Why do Cnidarians have diffused nervous system?
- (ii) How does fresh water fish regulate Osmoregulation?
- (iii) Why is Parthenogenesis common in ants?
- (iv) What is reason of Abnormal muscle contraction in sportsmen?
- (v) What is Genetic monotomy? In which type of reproduction is it found?
- (vi) How is SCID different from AIDS?
- (vii) How does Hydrostatic skelton help earthworm in locomotion?
- (viii) Why is Synapse termed as motor end plate?
- (ix) Why is Hypothalamus called the thermostat of the body

(b) Non-reasoning Questions:

- (x) Differentiate between Skeltal muscles & smooth mucles.
- (xi) In which disease of the nervous system do seizures recur? State the patient's condition in it
- (xii) Label the diagram:



- (xiii) Write note on Transgenic animals.
- (xiv) State the evidences of vestigia l organs for evolution in man.
- (xv) Write note on Endangered species.
- (xvi) How is Ozone layer being destroyed?
- (xvii) Write note on Entrophication or Algal bloom.

SECTION 'C' DETAILED-ANSWER QUESTIONS

NOTE: Answer 2 question from this section(14)

3. Explain the regulatory functions of human Kidney and draw a labeled diagram of Nephron.

OR Define Skeletal muscles and describe the structure of Skelettal muscle fibre. Draw neat and labeled diagram of skeletal muscle fibre.

4. Describe the structure and functions of different parts of the human brain. (Diagram of brain is not required).

OR Explain the process of Gametogenests in human and draw a labeled diagram of the male or female reproductive system.

5. Describe the different steps in DNA Recombinant Technology. Draw labeled diagrams of different steps.