

ZOOLOGY**Paper I : Applied and Economic Zoology**

Note : Attempt all questions from **Section-A** (Objective type questions) and **Section-B** (Short answer type questions) and **three** questions from **Section-C** (Long/Essay type questions).

Section—A

2 × 5 = 10

1. African sleeping sickness is caused by :
(a) Trypanosoma (b) Leishmania (c) Plasmodium (d) Entamoeba.
2. Chloroquinone is used to cure :
(a) Cancer (b) AIDS (c) Malaria (d) TB.
3. Filaria is :
(a) Mosquito (b) Protozoa (c) Yeast (d) None.
4. All intestinal parasites are :
(a) Aerobic (b) Anaerobic (c) Both (d) None.
5. Fasciola Hepatica is commonly known as :
(a) Blood fluke (b) Liver fluke (c) Tape worm (d) Pin worm.

Section—B

2 × 5 = 10

1. Disease of silk worm **Or** Chemical insecticide.
2. Endangered species **Or** Sugarcane pest.
3. Life cycle of Lac insect **Or** Intraspecific relation.
4. Exotic breed of fowl **Or** Scavenger insect.
5. Carbon cycle **Or** LC₅₀.

Section—C

3 × 10 = 30

1. Give an account of water pollution. Discuss the measures to prevent it.
2. Define induced breeding in fishes. How does it help in fish farming and culture.
3. Discuss in situ and ex situ conservation. Cite examples and its significance.
4. Write an essay on diseases caused by insects.
5. Describe rodent menace in agriculture.