

UG 5th Semester Examination 2021
ZOOLOGY (Honours)
Paper : DC-12
(Economic Zoology and Industrial Zoology)
[CBCS]

Full Marks: 25

Time: Two hours

The figures in the margin indicate full marks.
Candidates are requested to give answers with their own words as far as practicable.

1. Answer any *eight* questions

$\frac{1}{2} \times 8 = 4$

- a) Expand ETL.
- b) Silk gland is a modified _____. (Fill in the blank)
- c) Rhode Island Red is an example of exotic breed of poultry. (True/False)
- d) *Apis florea* is commonly known as _____. (Fill in the blank)
- e) Write two milch breeds of cattle.
- f) The drones of honey bee are produced from fertilized egg. (True/False)
- g) Write the causative agent of pebrine disease in silkworm.
- h) The scientific name of giant freshwater prawn is _____. (Fill in the blank)
- i) Give an example of polyphagous pest.
- j) Write the scientific name of yellow stem borer.
- k) Faster transmission of diseases in fowl is a major disadvantage of _____ system of farming. (Fill in the blank)
- l) _____ prevents rancidity in fatty fish. (Fill in the blank)

2. Answer any *two* questions

$2\frac{1}{2} \times 2 = 5$

- a) What do you mean by major pest and minor pest? Give one example for each.
- b) Distinguish between natural pearl and cultured pearl.
- c) Give a brief account on GMO.
- d) Write in brief on the steps of induced breeding in fish.

3. Answer any *four* questions

$4 \times 4 = 16$

- a) Discuss the life cycle and damaging nature of *Sitophilus oryzae*. $3+1=4$
- b) Write a note on Chinese hatchery.

- c) Write the chemical composition of lac. State the causes of fish spoilage. $2+2=4$
- d) Give an example of bacterial disease in poultry. Write the causative agent and symptoms of Ranikhet disease. $1+(1+2)=4$
- e) Describe any two methods of preservation of fish.
- f) Write a short note on IPM.
- g) Give an outline classification of insecticides on the basis of mode of action with an example for each.