

S.Y.BSc Sem III Regular Exam October 2023
Zoology Paper-III

VCD: 31/10/23

Hour: 03 Hours

Marks : 100

- Note:** 1) All questions are compulsory
2) Figure to the right indicate marks.
3) Draw suitable diagrams wherever necessary.

1.A.) Fill in the blanks

Marks 05

- 1) The branch of biology that deals with animal behavior is known as _____.
(Herpetology, Malacology, Ethology, Astrology)
- 2) Ants communicate to each other through _____.
(dance, pheromones, waves, action)
- 3) _____ is any living organism which harbours parasite.
(Host, Predator, Producer, Consumer)
- 4) _____ are a type of disease transmitting agents.
(Producers, Consumers, Scavengers, Vectors)
- 5) _____ is the culture of Honeybees.
(Sericulture, Apiculture, Pisciculture, Poultry)

1.B) Match the following.

Marks 05

- 1) Vermiculture
- 2) House flies
- 3) Dairy
- 4) Endoparasite
- 5) Amoebiasis

- Entamoeba
Tapeworm
Vector
Earthworm
Milk

1.C) True or False.

Marks 05

- 1) Habituation is an example of innate behaviour.
- 2) Round dance is also known as "rundtanz".
- 3) Sericulture is the production and marketing of milk and its products.
- 4) Digenetic parasites require only one host.
- 5) Apis dorsata is also known as "Rock bee".

1.D) Answer in one sentence

Marks 05

- 1) Define vermiculture.
- 2) What is the function of queen bee?
- 3) Define facultative parasites.
- 4) Define biological vectors.
- 5) What is fixed action pattern

Q2) Answer the Following (Any two)

Marks 20

- 1) Explain imprinting and its types.
- 2) Describe in detail Pavlov's classical conditioning experiment.
- 3) Illustrate different types of mimicry giving suitable examples.
- 4) Explain innate behavior in detail giving suitable examples.

Q3) Answer the Following (Any two)

Marks 20

- 1) Explain life cycle , pathogenicity and treatment of *Entamoeba histolytica*.
- 2) Describe in detail giving examples different types of parasites.
- 3) Explain different adaptations in Endoparasites
- 4) Explain life cycle , pathogenicity and treatment of bedbugs.

Q4) Answer the Following (Any two)

Marks 20

1. Explain the method for preparation of yogurt.
2. What are the different composition of milk in different animals?.
3. Explain economic importance of honey.
4. Explain maintenance and harvest of vermiculture.

Q5) Write short notes on (Any four)

Marks 20

- 1) Explain briefly about pheromones .
- 2) Write about migration in fish.
- 3) Give details about waggle dance in honeybee.
- 4) Adaptations in ectoparasites.
- 5) Explain types of hosts
- 6) Life cycle and treatment of head louse.
- 7) Write about selection of flora for apiculture.
- 8) Explain advantages of vermiculture