

NOTE :1. All questions are compulsory.

2. Draw neat labeled diagram wherever necessary.

3. Figures to the right carry marks.

Q.1 Answer in brief : (Any 2)

(20)

- 1) Describe the different types of hosts.
- 2) Add a note on Pathogenicity of *Entamoeba histolytica*.
- 3) Explain the life cycle of *Trypanosoma gambiense*.
- 4) Describe the structural morphology of *Leishmania donovani*.

(20)

Q.2 Describe briefly : (Any 2)

- 1) Biological control of insects by *Bacillus thurengiensis*.
- 2) Lifecycle of Rice weevil and its control measures.
- 3) Lifecycle of Aphids and its control measures.
- 4) Communication in honey bee.

(20)

Q.3 Explain briefly : (Any 2)

- 1) Types of production system of goat farming.
- 2) Fish cum poultry farming.
- 3) Indigeneous breed of poultry.
- 4) Diseases caused by viruses in goats.



Q.4 Write short notes on:

(15)

- 1) Mode of infection of *Plasmodium vivax*.
- 2) Prophylaxis of *Entamoeba histolytica*.
- 3) Concept of integrated farming.
- 4) Natural chemicals used for insect control.
- 5) Composition of lac.
- 6) Coccidiosis.

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