

M-6542

M.Sc. (IVth Semester) Examination, 2020 ZOOLOGY

(Biology of Parasitism)

Time Allowed : Three Hours

Maximum Marks : 70

Minium Pass Marks : 25

Note : Attempt all questions. One question from each unit is compulsory. All questions carry equal marks.

Unit - I

Q. 1. What is Parasitology ? Explain the host - parasite relationship and their phylogenetic importance in animals. **3+10+4½**

Or

Write about the morphology, mode of infection and molecular biology of plasmodium. **3+4½+10**

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(2)

Unit - II

Q. 2. Write about the morphology, mode of infection and life cycle of Schistosoma. **4+3½+10**

Or

Write about the morphology, mode of infection and life cycle of Trichinella. **4½+3+10**

Unit - III

Q. 3. Explain immune response. Write about the biochemical adaptations of parasites. **7½+10**

Or

Explain self defence mechanism. Write about the morphology of parasites of veterinary importance. **7½+10**

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Unit - IV

Q. 4. Write about the morphology and significance of insect parasites. **7½+10**

Or

Write about the morphology of nematode parasites of plants. Explain host-parasite interactions in plants. **7½+10**

