

2026

6th Semester Examination (CCFUP : NEP)

ZOOLOGY

Paper : MJ 11-T

(Single Core Major)

(Parasitology)

Full Marks : 40

Time : Two Hours

The figures in the margin indicate full marks.

*Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any *five* questions : $2 \times 5 = 10$

1. What is VSG?
2. Give one example each of ectoparasite and endoparasite.
3. Define parasitoid with example.
4. Differentiate Soft tick from Hard tick.
5. Comment on the significance of vampire bat as a vector.
6. Compare primary and secondary host with respect to the life cycle of a parasite.

P.T.O.

(2)

7. Why malaria is typically symptomized with shiver and fever?
8. State the morphological differences between a male and a female *Ascaris* sp.

Group - B

Answer any *four* questions : $5 \times 4 = 20$

9. Comment on the significance of hypnozoite in the life cycle of *Plasmodium vivax*. What is recrudescence of malaria. 3+2
10. What is Lyme disease? Name the flea that acts as a vector for the causative agent of bubonic plague. 3+1+1
11. "Growing embryo within the mother's womb is not a parasite" — Explain with appropriate reason.
12. Illustrate the life cycle of *Fasciola hepatica*. Name a drug that can be used to treat fascioliasis. 4+1
13. (a) How does biological vector differ from mechanical vector? Explain it with suitable example.
(b) Classify host with examples. 2+3
14. Write briefly on the evolution of host immune response against parasites.

(3)

Group - C

Answer any *one* question : 10×1=10

15. (a) Draw and describe the morphological stages of *Trypanosoma gambiense*.
(b) State the clinical symptoms of *Trypanosoma gambiense* infection.
(c) What is amensalism? Give example. 5+3+(1+1)
16. (a) Draw and describe the route of movement of rhabditiform larva of *Ascaris* sp. for sexual maturity.
(b) Specify the anaerobic adaptations of the parasitic helminths. Mention the name of two drugs that can be administered to treat malaria. 4+4+2
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