

November 2025
M.Sc.
Third Semester
CORE – 09
ZOOLOGY
Course Code: MZOC 3.11
(Parasitology)

Total Mark: 70

Pass Mark: 28

Time: 3 hours

Answer five questions, taking one from each unit.

UNIT-I

1. Describe the various types of animal associations giving specific examples for each category. 14
2. Write a note on each of the following: 7×2=14
 - (a) Types of parasites and hosts
 - (b) Zoonoses

UNIT-II

3. Write an account on the morphology, life cycle, and pathogenicity of *Plasmodium*. 4+6+4=14
4. (a) Explain the mode of infection, pathogenicity, and prophylaxis of *Leishmania*. 2+2+3=7
(b) Describe the morphology and life cycle of *Giardia*. 3+4=7

UNIT-III

5. Explain the life cycle, pathogenicity, and treatment of *Fasciola* with a neatly labelled diagram. 8+2+2+2=14
6. (a) Briefly describe the transmission, pathogenicity, and prophylaxis of *Wuchereria*. 2+2+3=7
(b) Describe the life cycle and pathogenicity of *Schistosoma*. 5+2=7

UNIT-IV

7. Discuss in detail the insemminative behaviour, parthenogenesis, and polyspermy in Platyhelminthes. 5+5+4=14
8. Write a note on each of the following: 7×2=14
- (a) Diploid and sexual stage in *Trypanosoma*
 - (b) Chromatin diminution in *Ascaris*

UNIT-V

9. Give an account of the primary food-borne routes of transmission in *Entamoeba* and *Ascaris*. 7+7=14
10. Write a note on each of the following: 7×2=14
- (a) Microbial spoilage of food
 - (b) Biological weapons
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