



**Progressive Education Society's**  
**Modern College of Arts, Science & Commerce Ganeshkhind, Pune – 16**  
**(Autonomous)**  
**End Semester Examination: OCT / NOV 2024**  
**Faculty: Science and Technology**

**Program: BScGen03**  
**Program (Specific): Zoology**  
**Class: T.Y.B.Sc**  
**Name of the Course: Medical Parasitology**  
**Course Code: 24-ZO-356**  
**Paper: VI**

**Semester: V**

**SET: A**  
**Course Type: DSEC**  
**Max.Marks: 35**  
**Time: 2Hr**

**Instructions to the candidate:**

- 1) *There are 4 sections in the question paper. Write each section on separate page.*
- 2) *All Sections are compulsory.*
- 3) *Figures to the right indicate full marks.*
- 4) *Draw a well labelled diagram wherever necessary.*

**SECTION: A**

**Q1) Define or Explain**

**5**

- I) Define Host.
- II) Define parasitology.
- III) Explain host-parasite relationship.
- IV) Define pathogenicity.
- V) Explain the term amoebiasis.

**Q2) Very short answer questions (Attempt any 4/6)**

**4**

- I) Explain the term commensalism.
- II) Define structural specificity.
- III) Define zoonosis.
- IV) Give two examples of parasitic arthropoda.
- V) Explain sporogony.
- VI) Define Prophylaxis.



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**SECTION: B**

**Q3) Short answer questions (Attempt any 4/6)**

**8**

- I) Describe the scope of Medical Parasitology.
- II) Explain ectoparasites with example.
- III) Describe intermediate host with example.
- IV) Comment on diagnosis of Malaria.
- V) Explain prophylaxis of *Entamoeba histolytica* infection.
- VI) Comment on RT-PCR technique to diagnose COVID virus.

**SECTION: C**

**Q4) Short answer questions (Attempt any 4/6)**

**8**

- I) Describe parasitic adaptation in head louse.
- II) Describe sexual dimorphism in *Ascaris lumbricoides*.
- III) Discuss the mechanical effects of parasites on host.
- IV) Describe host-parasite relationship with suitable example.
- V) Comment on Zoonotic diseases.
- VI) Explain control measures of ticks.

**SECTION: D**

**Q5) Long answer type Questions**

**10**

**Attempt any two of the following (2/4)**

- I) Explain the morphology of *Entamoeba histolytica*.
- II) Explain pre-erythrocytic cycle of *Plasmodium vivax* in humans.
- III) Describe the life cycle of *Ascaris lumbricoides* with a well-labelled diagram.
- IV) Discuss the pathogenicity of *Taenia solium*.