

Bs/ZOO/M1 (T)

2024

(FYUGP)

(1st Semester)

ZOOLOGY

(Minor)

Paper Code : ZOO/M-1 (T)

Non-Chordates I-Protista to Pseudocoelomates)

Full Marks : 75

Pass Marks : 40%

Time : 3 hours

(PART : B—DESCRIPTIVE)

(Marks : 50)

*The figures in the margin indicate full marks
for the questions*

- 1. Describe the various stages of the life cycle of
Amoeba with proper diagram.**

10

Or

**Describe the different methods of locomotion
used by protists.**

2. Give the general characteristics of phylum Porifera. Give some suitable examples. $8+2=10$

Or

Write notes on the following : $5 \times 2 = 10$

- (a) Spicules in sponges
(b) Symmetry in metazoa

3. Give the general characteristics of Cnidaria and classify up to class. $5+5=10$

Or

With well-labelled diagram, describe the polymorphism in Cnidaria. 10

4. With well-labelled diagram, describe the life cycle of *Taenia solium*. 10

Or

Classify Platyhelminthes up to classes. Add note on pathogenicity of *Fasciola hepatica*.

$7+3=10$

5. Give the general characteristics of Nematelminthes. Give some suitable examples. $8+2=10$

Or

With life cycle chart, write an account on the life cycle of *Wuchereria bancrofti*. 10

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Subject Code : Bs/ZOO/M1 (T)

To be filled in by the Candidate

BA / BSc / BCom / BBA / BCA

1st Semester End Term

Examination, 2024 (FYUGP)

Subject

Paper

INSTRUCTIONS TO CANDIDATES

1. The Booklet No. of this script should be quoted in the answer script meant for descriptive type questions and vice versa.
2. This paper should be **ANSWERED FIRST** and submitted within 1 (one) Hour of the commencement of the Examination.
3. While answering the questions of this booklet, any cutting, erasing, over-writing or furnishing more than one answer is prohibited. Any rough work, if required, should be done only on the main Answer Book. Instructions given in each question should be followed for answering that question only.

Signature of
Scrutiniser(s)

Signature of
Examiner(s)



Booklet No. **A** 165

Date Stamp

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To be filled in by the
Candidate

BA / BSc / BCom / BBA / BCA

1st Semester End Term

Examination, 2024 (FYUGP)

Roll No.

Regn. No.

Subject

Paper

DESCRIPTIVE TYPE

Booklet No. B

Signature of
Invigilator(s)

2024

(FYUGP)

(1st Semester)

ZOOLOGY

(Minor)

Paper Code : ZOO/M-1 (T)

(Non-Chordates I-Protista to Pseudocoelomates)

(PART : A—OBJECTIVE)

(Marks : 25)

The figures in the margin indicate full marks for the questions

SECTION—I

(Marks : 15)

Put a Tick (✓) mark against the correct answer in the brackets provided : 1×15=15

1. *Euglena* moves with the help of

- (a) cilia and flagella ()
- (b) undulating membrane ()
- (c) pseudopodia ()
- (d) flagellum ()

2. Osmoregulation in *Amoeba* is done by

- (a) lobopodia ()
- (b) contractile vacuole ()
- (c) general body surface ()
- (d) nucleus ()

3. Cytopyge is found in

- (a) *Amoeba* ()
- (b) *Entamoeba* ()
- (c) *Paramecium* ()
- (d) *Euglena* ()

4. Which structure in sponges corresponds to the mouth of other animals?

- (a) Incurrent canals ()
- (b) Excurrent canals ()
- (c) Osculum ()
- (d) Ostia ()

5. Simplest type of canal system is

- (a) ascon type ()
- (b) sycon type ()
- (c) diplodal type ()
- (d) eurypylous type ()

6. Which of the following cells in sponges catch food?

- (a) Pinacocytes ()
- (b) Porocytes ()
- (c) Choanocytes ()
- (d) Archaeocytes ()

7. Larva of *Obelia* is

- (a) planula ()
- (b) amphiblastula ()
- (c) scyphistoma ()
- (d) parenchymella ()

8. Modifications of polyps are

- (a) gastrozooids ()
- (b) dactylozooids ()
- (c) gonozooids ()
- (d) All of the above ()

9. Precious coral is formed from the skeleton of

- (a) *Tubularia* ()
- (b) *Fungia* ()
- (c) *Rubrum* ()
- (d) *Corallium rubrum* ()

10. The cause of 'liver rot' in sheep is

(a) *Dugesia* ()

(b) *Fasciola* ()

(c) *Taenia* ()

(d) *Schistosoma* ()

11. Bladder worm is found in

(a) human muscles ()

(b) human faeces ()

(c) soil ()

(d) muscles of pig ()

12. Platyhelminthes are

(a) acoelomate ()

(b) haemocoelomate ()

(c) coelomate ()

(d) pseudocoelomate ()

13. Female *Ascaris* can be differentiated from male *Ascaris* by

- (a) straight posterior end ()
- (b) curved posterior end ()
- (c) smaller size ()
- (d) genital papillae ()

14. *Wuchereria bancrofti* is transmitted by

- (a) Tsetse fly ()
- (b) Head louse ()
- (c) *Culex* ()
- (d) Sand fly ()

15. Roundworms differ from flatworms in having

- (a) flame cells ()
- (b) pseudocoelom ()
- (c) segmented body ()
- (d) ventral nerve cord ()

SECTION—II

(Marks : 10)

Write short notes on any *five* of the following questions :

2×5=10

1. Segmentation in metazoa

2. Locomotion in *Amoeba*

3. Coral reefs

(Marks - 10)

Write short notes on any five of the following questions

2×5=10

1. Segmentation in metazoa

4. Ascon type of canal system

5. Pathogenicity of *Ascaris lumbricoides*

6. Pathogenicity of *Taenia solium*

7. Helminth parasitic adaptation
