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(FYUGP)

(1st Semester)

ZOOLOGY

(MAJOR)

Paper Code : ZOO/C1 (T)

**(Non-Chordates-I : Protista to
Pseudocoelomates)**

Full Marks : 75

Pass Marks : 40%

Time : 3 hours

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

- 1.** With suitable diagram, explain in detail the life cycle of Paramecium. 15

Or

Using diagrams wherever necessary, explain the types of locomotion found in Protista. 15

- 2.** Describe the different types of segmentation in Metazoa with suitable examples. 15

Or

Enumerate the different types of spicules in sponges with appropriate diagrams. 15

3. With proper illustrations, write a detailed account on metagenesis in Obelia. 15

Or

What is polymorphism? Explain polymorphism in Cnidaria in detail. 2+13=15

4. Write an account on the evolutionary significance of Ctenophora. 15

Or

Explain the life cycle of *Taenia solium* with a proper life cycle chart. Add a note on its pathogenicity. 10+5=15

5. Classify phylum Nemathelminthes up to class with proper examples. 15

Or

With a suitable life cycle chart, discuss the life cycle and pathogenicity of *Ascaris lumbricoides*. 10+5=15

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