

Bs/ZOO/C1 (T)

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(FYUGP)

(1st Semester)

ZOOLOGY

(Major)

Paper Code : ZOO/C1 (T)

**(Non-Chordates—I :
Protists to Pseudocoelomates)**

Full Marks : 75

Pass Marks : 40%

Time : 3 hours

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

1. With a proper diagram, describe the life cycle of paramecium. 15

Or

Describe, in detail, the locomotion and reproduction in Protista. $7\frac{1}{2}+7\frac{1}{2}=15$

2. Write notes on the following : $7\frac{1}{2}\times 2=15$
(a) Segmentation in Metazoa
(b) General characteristics of Porifera

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(Turn Over)

(2)

Or

Explain the types of spicules in sponges. Add a note on its functions. $12+3=15$

3. What is metagenesis? Write a detailed account on metagenesis in obelia. $2+13=15$

Or

Define polymorphism. Elaborate on polymorphism in Cnidaria. $2+13=15$

4. Give a detailed account on the evolutionary significance of *Ctenophora*. 15

Or

Write notes on the following : $7\frac{1}{2}\times 2=15$

- (a) General characteristics of Platyhelminthes
(b) Pathogenicity of *Taenia solium*

5. Write notes on the following : $7\frac{1}{2}\times 2=15$

- (a) General characteristics of Nematelminthes
(b) Pathogenicity of *Ascaris lumbricoides*

Or

With a proper life cycle chart, explain the life cycle of *Ascaris lumbricoides*. Add a note on its parasitic adaptations. $10+5=15$

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