

Bs/ZOO C-1

2022

(CBCS)

(1st Semester)

ZOOLOGY

(Honours)

Paper Code : ZOO C-1

**(Non-Chordates 1 : Protists to
Pseudocoelomates)**

Full Marks : 75

Pass Marks : 40%

Time : 3 hours

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

1. Describe the general characteristics of phylum Protista. Classify the phylum up to subdivisions with salient features. 5+10=15

Or

Describe the life cycle of *Plasmodium vivax* with proper illustration. Add a note on its pathogenicity. 10+5=15

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(Turn Over)

(2)

2. Discuss the evolution of symmetry and segmentation in Metazoa. $7\frac{1}{2}+7\frac{1}{2}=15$

Or

Define canal system. Discuss in detail the canal system in Porifera with proper diagram. $2+13=15$

3. Write the general characteristics of phylum Cnidaria. Discuss metagenesis in *Obelia*. $10+5=15$

Or

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

(a) Polymorphism in Cnidaria

(b) Coral Reefs

4. Write an account on the general characteristics of phylum Ctenophora. Add a note on its evolutionary significance. $10+5=15$

Or

Discuss the life cycle of *Taenia solium* with a detailed diagrammatic representation. Write a note on its pathogenicity. $10+5=15$

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(Continued)

(3)

5. Describe the general characteristics of phylum Nematelminthes. Classify them up to class with salient features. $7\frac{1}{2}+7\frac{1}{2}=15$

Or

Explain the life cycle and pathogenicity of *Ascaris lumbricoides*. $10+5=15$

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