

1m/ZOO-100 (Th) Syllabus-2023

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(April)

FYUP : 1st Semester Examination

MINOR COURSE

ZOOLOGY : ZOO-100

(Taxonomy and Animal Diversity)

(Theory)

Marks : 56

Time : 3 hours

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

Answer Question No. **1** which is compulsory, and
any four from the rest

1. Write on any *four* of the following : **3×4=12**

- (a) Biological species concept
- (b) Salient features of phylum Porifera
- (c) Morphology of leech
- (d) Minor phyla with examples

- (e) Morphology of *Balanoglossus*
(f) Salient features of class Mammalia
2. Describe the life cycle of *Taenia solium* with labelled diagrams. Mention its pathogenicity.
5+3+3=11
3. Discuss with labelled diagrams, the reproduction of *Obelia*.
8+3=11
4. Classify the phylum Mollusca up to classes. Give its diagnostic features and example of each class.
4+5+2=11
5. Describe the morphology of *Peripatus*. Support your answer with labelled diagrams.
8+3=11
6. Provide a comprehensive description of morphology of *Amphioxus* with labelled diagrams.
8+3=11
7. Write on any *two* of the following : $5\frac{1}{2} \times 2 = 11$
- (a) Morphology of *Labeo rohita*
(b) Water vascular system in *Asterias*
(c) Salient features of phylum Chordata
(d) Morphology of *Petromyzon*

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