

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

**2 0 2 5**

( Nov-Dec )

**FYUP : 1st Semester Examination**

MINOR

**ZOOLOGY**

**( Taxonomy and Animal Diversity )**

ZOO-100

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.** Briefly write on any *four* of the following :

3×4=12

- (a) Binomial nomenclature
- (b) Morphology of *Sycon*
- (c) Morphology of *Amphioxus*
- (d) Salient features of *Onychophora*

- (e) Characteristic features of phylum Rotifera
- (f) Morphology of *Balanoglossus*
2. (a) Discuss the salient features of Mollusca. 5  
(b) Discuss the morphology of prawn with the help of labelled diagrams. 6
3. With the help of diagrams, explain the life cycle of *Ascaris lumbricoides*. 2+9=11
4. Describe the digestive system of rabbit with the help of labelled diagrams. 3+8=11
5. Give an account of the morphology and reproduction in *Obelia*. 5+6=11
6. Describe the water vascular system in *Asterias* with the help of diagrams. 3+8=11
7. Describe the respiratory system of *Labeo* with the help of a labelled diagram. 8+3=11
8. Write notes on any *two* of the following : 5½×2=11
- (a) Taxonomic hierarchy
- (b) Morphology of *Taenia solium*
- (c) Salient features of phylum Arthropoda
- (d) Seven kingdom classification

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