

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

**2 0 2 5**

( Nov-Dec )

**FYUP : 1st Semester Examination**

**MAJOR**

**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) Biological species concepts
  - (c) Salient features of phylum Annelida

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- (d) Morphology of *Labeo*
- (e) Classification of phylum Nematoda
- (f) Morphology of *Amphioxus*
2. Outline the salient features of kingdom Protozoa and classify it up to phylum with diagnostic characters and examples. 3+8=11
3. Describe the morphology and life cycle of *Taenia solium*. Provide suitable diagrams to support your answer. 3+8=11
4. Describe the morphology of any two of the following :  $5\frac{1}{2} \times 2 = 11$
- (a) *Paramecium*
- (b) *Peripatus*
- (c) *Ascidia*
5. (a) Classify phylum Arthropoda up to class with diagnostic characters and examples. 7
- (b) Discuss the salient features of phylum Hemichordata. 4
6. Describe the water vascular system in *Asterias* with well labelled diagram. 9+2=11

( 3 )

7. With the help of labelled diagram, describe the nervous system of rabbit.  $2+9=11$
8. Write short notes on any *two* of the following :  $5\frac{1}{2}\times 2=11$
- (a) Minor phyla
  - (b) Life cycle of *Ascaris lumbricoides*
  - (c) Nervous system of *Pila*
  - (d) Morphology of *Balanoglossus*

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