

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

(2)

- (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 : 5½×2=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 : 5½×2=11
- (a) Minor phyla
- (b) Life cycle of *Ascaris lumbricoides*
- (c) Nervous system of *Pila*
- (d) Morphology of *Balanoglossus*
