

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

2 0 2 4

(December)

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. Write in brief on any *four* of the following :

3×4=12

(a) Minor phyla

(b) Seven-kingdom classification

(c) Urogenital system of leech

- (d) Morphology of *Sycon*
- (e) Salient features of phylum Chordata
- (f) Morphology of *Petromyzon*
2. (a) Write down the salient features of phylum Porifera. 5
- (b) Describe the morphology of *Asterias* with the help of a labelled diagram. 6
3. With the help of suitable diagrams, describe the life cycle of *Ascaris lumbricoides*. 2+9=11
4. With the help of a diagram, describe the digestive system of rabbit. 3+8=11
5. (a) Describe the morphology of *Balanoglossus* with the help of a diagram. 5
- (b) Classify phylum Mollusca up to classes with examples. 6
6. Write four diagnostic features of Protozoans. With the help of suitable diagrams, describe the reproduction of *Paramecium*. 2+2+7=11
7. Provide a comprehensive description of respiratory system of *Labeo* with labelled diagrams. 8+3=11

8. Write short notes on any two of the following : 5½×2=11
- (a) Taxonomic hierarchy
- (b) Reproductive system of prawn
- (c) Morphology of *Obelia*
- (d) Salient features of phylum Arthropoda
