

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

2024

(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

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(Turn Over)

- (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. $8+3=11$

(3)

8. Write short notes on any *two* of the following : $5\frac{1}{2} \times 2 = 11$

- (a) Taxonomic hierarchy
- (b) Reproductive system of prawn
- (c) Morphology of *Obelia*
- (d) Salient features of phylum Arthropoda

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