

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

2 0 2 4

(April)

FYUP : 1st Semester Examination

MAJOR COURSE

ZOOLOGY : ZOO-100

(Taxonomy and Animal Diversity)

(Theory)

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) Salient features of kingdom Protozoa
- (c) Classification of phylum Nematoda up to classes

- (d) Life cycle of *Ascaris lumbricoides*
- (e) Morphology of *Ascidia*
- (f) Respiratory system of *Labeo*
2. Describe the canal system of *Sycon* with the help of labelled diagrams. 8+3=11
3. Classify the kingdom Protozoa up to phylum with example from each phyla. 11
4. Describe the salient features of phylum Arthropoda. Classify the phylum up to classes with examples from each class. 4+7=11
5. With the help of labelled diagrams, describe the morphology of *Pila*. 3+8=11
6. Discuss the water vascular system in *Asterias* with labelled diagrams. 8+3=11
7. Write on any two of the following : $5\frac{1}{2} \times 2 = 11$
- (a) Digestive system of rabbit
- (b) Morphology of *Amphioxus*
- (c) Life cycle of *Taenia solium*
- (d) Morphology of *Peripatus*

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