

2M/ZOO-150 (Th) Syllabus-2023

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(July/August)

FYUP : 2nd Semester Examination

ZOOLOGY

(Major)

(Functional and Comparative Anatomy)

(ZOO-150)

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 notes on any *three* of the following :

4×3=12

- (a) Corals and coral reefs
- (b) Scales in fishes
- (c) Retrogressive metamorphosis in Ascidia
- (d) Differences between venomous and non- venomous snakes
- (e) Locomotion in Protozoa

2. What is torsion? Describe the process of torsion in gastropods with the help of suitable diagrams. 1+7+3=11
3. (a) Give a comparative account of Petromyzon and Myxine. 6
(b) Discuss the affinities of Amphioxus. 5
4. (a) Discuss the comparative study of flight and flightless birds. 5
(b) Describe the morphological features of the three orders in Amphibia. 6
5. Give an account of the different modes of nutrition found in Protozoa. 11
6. Give a comparative account of water vascular system in echinoderms. 11
7. Describe in detail the comparative anatomy of kidney in vertebrates. 11
8. Write short notes on any *two* of the following : 5½×2=11
(a) Dentition in mammals
(b) Accessory respiratory organs in fishes
(c) Respiratory systems of arthropods

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