

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

2026

(May-June)

FYUP : 2nd Semester Examination

ZOOLOGY

(Minor)

(Functional and Comparative Anatomy)

(ZOO-150)

(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. Write notes on any *four* of the following :

3×4=12

(a) Spicules in Porifera

(b) Scales of fish

(c) Structure of a coral

(2)

- (d) Three differences between Venomous and Non-venomous snakes
- (e) Three differences between Monotremata and Marsupialia
- (f) Affinities of Aphioxus
2. Give an account of the different canal systems found in phylum Porifera. Add a note on the significance of the canal system.
9+2=11
3. Define retrogressive metamorphosis. Describe retrogressive metamorphosis in *Ascidia*, with suitable diagrams.
2+7+2=11
4. With the help of a labelled diagram, give an account of the different water vascular systems found in Echinodermata.
3+8=11
5. Describe, with the help of diagram, the comparative anatomy of kidney in vertebrates.
3+8=11
6. Describe the various respiratory systems in Arthropoda with suitable illustrations. 8+3=11
7. Describe the comparative account of the morphological features of the three orders in Amphibia.
11

(3)

8. Write short notes on any two of the following : $5\frac{1}{2} \times 2 = 11$
- (a) Biting mechanism of snakes
- (b) Flight and flightless birds
- (c) Locomotion in protozoa
- (d) Function and types of accessory respiratory organs in fishes

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