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SUBJECT CODE NO: - Y-2045
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. (PATTERN-2013) S.Y. (SEM III)
Examination April / May - 2024
Zoology Paper-VII Vertebrate Zoology

[Time: 1:30 Hours]

[Max. Marks: 50]

Please check whether you have got the right question paper.

N. B

- i) Attempt all questions.
- ii) Illustrate your answer with suitable labelled diagram
- iii) All Questions are compulsory.

Q.1 Write in detail on flight adaptations in birds.

20

OR

Describe adaptive radiation in mammals.

Q.2 What is gastrulation? Describe process of gastrulation in frog.

20

OR

Write short notes on any four of the following:

- a) A poda
- b) Non-Poisonous Snakes
- c) Neoteny in Amphibia
- d) General characters of Aves
- e) Agnatha
- f) Pisces

Q.3 Multiple choice questions: -

10

1. Body of carps is covered by _____ scales
 - a) Placoid
 - b) Ganoid
 - c) Cycloid
 - d) Ctenoid
2. _____ is a poisonous snake.
 - a) Russel's viper
 - b) Eryx conicus
 - c) Lycodon aulicus
 - d) All of these

3. Neoteny is observed in _____
- a) Amphibia
b) Pisces
c) Mammals
d) Aves
4. Heart of calotes is _____ chambered.
- a) Two
b) Three
c) Four
d) One
5. Subclass Anapsida comes under _____
- a) Amphibia
b) Reptilian
c) Pisces
d) Mammals
6. _____ is an example of cyclostomatous
- a) Petromyzon
b) Scoliodon
c) Pristis
d) Amice
7. Number of cranial nerves in reptiles are _____
- a) 10 pairs
b) 12 pairs
c) 8 pairs
d) 3 Pairs
8. Heterocercal caudal fin present in _____
- a) Labe
b) Scoliodon
c) Wallago
d) All of these
9. forebrain of scoliodon contains _____
- a) Cerebrum
b) Diencephalon
c) Spinal cord
d) Both a & b.
10. Mammals have _____
- a) Cervical vertebrae
b) Dicondylic skull
c) Heterodont dentition
d) All of these

