

7952

Date
25/11/24

Unique Paper code : 2232581101

Name of the Paper : GE- Exploring Animal World

Name of the Course : B.Sc. (H) Zoology

Semester : I (NEP-UGCF)

Duration : 2 Hours

Maximum Marks : 60

(Write your Roll No. on the top immediately on receipt of this question paper.)

Instructions for candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **FOUR QUESTIONS** in all and **QUESTION NO.1** is **COMPULSORY**.
3. Draw Well labelled diagram wherever necessary.

Q1. a) Define following with suitable examples (Any Four): **(1 X 4 = 4)**

- I. Polymorphism
- II. Osculum
- III. Coelom
- IV. Deuterostomia
- V. Madreporite

b) Differentiate between the following: **(2 X 4 = 8)**

- I. Schizocoel and Enterocoel
- II. Chordata and non-Chordata
- III. Gliding and Flying
- IV. Chondrichthyes and Osteichthyes fishes

c) State whether the statement is true or false. **(1 X 3 = 3)**

- I. Venomous snakes often have a distinctly triangular or broad head, which is wider than the neck
- II. Metatherian are the only mammals that lay eggs instead of giving birth to live young
- III. Polian vesicles in Echinoderms function as lymph nodes, removing and destroying bacteria and other unwanted particulates from body

Q2. a) Comment upon the general characteristics of protozoa. Explain various type of locomotor organelles in Protozoa. **(10)**

b) Discuss the parasitic adaptations of Helminths. **(05)**

Q3. a) Define canal system. Discuss different types of canal system in Porifera and its significance. **(10)**

b) What are the distinct features of apposition and superposition image formation in the compound eyes of insects? Draw well labelled diagrams. **(05)**

- Q4.** a) What are salient features of the protochordates. Explain the retrogressive metamorphosis in urochordates. (09)
b) How do Prototheria, Metatheria, and Eutheria differ from one another? (06)
- Q5.** a) Discuss in detail the anatomical and physiological adaptations that enable birds to achieve flight. (10)
b) How animal kingdom is classified into different groups on the basis of their body symmetry. Give examples of each type. (05)
- Q6.** Write short notes on **any three** of the following: (5 X 3 = 15)
a) General Characters of Arthropoda
b) Migration in fishes
c) Metamerism and its significance in Annelids
d) Radiata

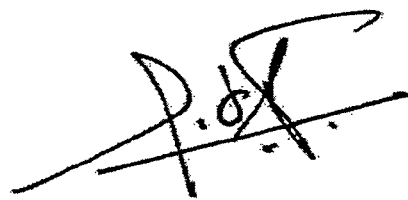
UNIVERSITY OF DELHI
DELHI-110007

CORRIGENDUM

Sl. No. of Q.P	:	7952
Unique Paper Code	:	2234002004
Name of the Paper	:	GE- Exploring Animal World
Name of the Course	:	B.SC. (H) Zoology
Date of Exam	:	06/01/2025 Evening
SEMESTER/YEAR	:	I
DURATION	:	2 Hour
Maximum Marks	:	60

Announcement for candidates

Upc may be read as 2234002004 instead of 2232581101



Joint Registrar (Secrecy)