

# **PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)**

**MSc DEGREE EXAMINATION DECEMBER 2025**  
**(First Semester)**

## **Branch - ZOOLOGY**

## ANIMAL PHYLOGENY AND PALEONTOLOGY

Time: Three Hours

**Maximum: 75 Marks**

**SECTION-A (10 Marks)**

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**Answer ALL questions**

**ALL** questions carry **EQUAL** marks  $(10 \times 1 = 10)$

**Cont...**

**SECTION - B (35 Marks)**

Answer ALL questions.

ALL questions carry EQUAL Marks

 $(5 \times 7 = 35)$ 

| Module No. | Question No. | Question   | K Level | CO  |
|------------|--------------|--|---------|-----|
| 1          | 11.a.        | List out the uses of fossils.<br><br>(OR)  | K2      | CO2 |
|            | 11.b.        | Analyze the origin and phylogeny of protozoa.                                    |         |     |
| 2          | 12.a.        | Bring out the affinities of entoprocta and phoronida.<br><br>(OR)                | K3      | CO3 |
|            | 12.b.        | Discuss about the origin and phylogeny of Arthropoda.                            |         |     |
| 3          | 13.a.        | “Mesozoic era is the golden age of reptiles”<br>Justify.<br><br>(OR)             | K4      | CO4 |
|            | 13.b.        | Explain about terrestrialization of amphibians.                                  |         |     |
| 4          | 14.a.        | Write about the origin and external characters of rhynchocephalians.<br><br>(OR) | K3      | CO3 |
|            | 14.b.        | Analyze the origin of birds.   |         |     |
| 5          | 15.a.        | Comment on museum and museology.<br><br>(OR)                                     | K2      | CO2 |
|            | 15.b.        | Discuss about the emergence and concepts of museum.                              |         |     |

**SECTION - C (30 Marks)**

Answer ANY THREE questions

ALL questions carry EQUAL Marks  $(3 \times 10 = 30)$ 

| Module No. | Question No. | Question   | K Level | CO  |
|------------|--------------|--|---------|-----|
| 1          | 16           | Summarize the various era of the geological time scale.            | K3      | CO3 |
| 2          | 17           | Analyze the origin and phylogeny of Echinodermata.                 | K3      | CO3 |
| 3          | 18           | Explicate the dominance and decline of Mesozoic reptiles.          | K4      | CO4 |
| 4          | 19           | Write an essay on origin and evolution of man.                     | K2      | CO2 |
| 5          | 20           | Elucidate the classification of museum on the basis of collection. | K5      | CO5 |