

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2023  
(First Semester)

Branch - ZOOLOGY

ANIMAL PHYLOGENY AND PALAEOONTOLOGY

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	What is the largest division of the geological time scale? a) Eon                      b) Era                      c) Epoch                      d) Period	K1	CO1
	2	Palaeoanthropology is the study of a) Fossils of early birds and their ancestors b) Fossils of early human and their ancestors c) Both d) None	K2	CO1
2	3	The most primitive arthropods belongs to the class a) Arachnida                      b) Insecta c) Onycophora                      d) Myriapoda	K1	CO1
	4	The most distinctive features of echinoderms is the presence of a) Camal system                      b) Chitinous exoskeleton c) Water vascular system                      d) Calcareous shell	K2	CO1
3	5	Most reptiles are a) Ammonotelic                      b) Ureotelic c) Ureotelic over land                      d) Uricotelic	K1	CO1
	6	Which of the following is a living fossil? a) Dinosaurs                      b) Snakes c) Tuatara                      d) Lizard	K2	CO1
4	7	Huxley explained origin of man in his book _____. a) The man's place in world b) The man's place in earth c) The man's place in nature d) The man's place in universe	K1	CO1
	8	Primates originated during which era? a) Mesozoic                      b) Cenozoic c) Paleozoic                      d) Azoic	K2	CO1
5	9	Shankar's International Dolls Museum is located in a) Delhi                      b) Punjab c) Kerala                      d) Andhra	K1	CO1
	10	The first modern museum in India was established in ----- a) Delhi                      b) Bangalore c) Calcutta                      d) Mumbai	K2	CO1

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**SECTION - B (35 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks (5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Demonstrate the origin and phylogeny of Protozoa.	K2	CO1
		(OR)		
	11.b.	Illustrate the formation and types of fossils.		
2	12.a.	Examine the phylogeny of arthropods.	K4	CO3
		(OR)		
	12.b.	Analyze the affinities of Entoprocta and Phoronida.		
3	13.a.	Evaluate the origin of Amphibians.	K5	CO4
		(OR)		
	13.b.	Explain about terrestrialisation of animals.		
4	14.a.	Justify – tuatara is Rhynchocephalic.	K5	CO4
		(OR)		
	14.b.	Determine the evolution of man.		
5	15.a.	Discuss the types of museum.	K6	CO5
		(OR)		
	15.b.	Design the collection and management of curatorship.		

**SECTION -C (30 Marks)**

Answer ANY THREE questions

ALL questions carry EQUAL Marks (3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Construct the geological time scale.	K3	CO2
2	17	Evaluate the affinities of Chaetognatha and Rotifera .	K5	CO4
3	18	Interpret the dominance and decline of Mesozoic reptiles.	K5	CO4
4	19	Elaborate the futurology of human evolution.	K6	CO5
5	20	Inspect the museum development in India.	K3	CO2

Z-Z-Z END