

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)

Answer **ALL** questions

ALL questions carry EQUAL marks (10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	The Archaeozoic and proterozoic eras are together called _____ a) Azoic era b) Palaeozoic era c) Cryptozoic era d) Mesozoic era	K1	CO1
	2	The organic matter of the dead body is replaced by minerals _____ a) Actual remains b) Petrified fossils c) Moulds d) Tracks	K2	CO2
2	3	Which of the following animal is a connecting link between Annelida and Arthropoda? a) Cockroach b) Scorpion c) Peripatus d) Spider	K1	CO1
	4	Which of the following class includes the most advanced molluscs? a) Cephalopoda b) Pelecypoda c) Gastropoda d) Scaphopoda	K2	CO2
3	5	The process where aquatic life is transformed in to terrestrial life is called _____ a) Desiccation b) Terrestrialization c) Incubation d) Evisceration	K1	CO1
	6	The reptiles played a dominant role in the _____ era a) Azoic b) Cryptozoic c) Palaeozoic d) Mesozoic	K2	CO2
4	7	Which of the following animal is a living fossil? a) Sphenodon b) Diplodocus c) Triceratops d) Tyrannosaurus	K1	CO1
	8	Cursorial metatherians are well developed to _____ a) Burrowing b) Flying c) Swimming d) Fast running	K2	CO2
5	9	Which of the following is the oldest museum in India? a) National museum b) Indian museum c) Government museum d) Salarjung museum	K1	CO1
	10	A curator who specializes in the preparation and mounting of animal skins for display is called a _____ a) Taxidermist b) Conservator c) Archaeologist d) Paleontologist	K2	CO2

Cont...

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.	List out the uses of fossils.	K2	CO2
	(OR)			
	11.b.	Analyze the origin and phylogeny of protozoa.		
2	12.a.	Bring out the affinities of entoprocta and phoronida.	K3	CO3
	(OR)			
	12.b.	Discuss about the origin and phylogeny of Arthropoda.		
3	13.a.	"Mesozoic era is the golden age of reptiles" Justify.	K4	CO4
	(OR)			
	13.b.	Explain about terrestrialization of amphibians.		
4	14.a.	Write about the origin and external characters of rhynchocephalians.	K3	CO3
	(OR)			
	14.b.	Analyze the origin of birds.		
5	15.a.	Comment on museum and museology.	K2	CO2
	(OR)			
	15.b.	Discuss about the emergence and concepts of museum.		

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	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