

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2025  
(First Semester)

Branch - BOTANY

ZOOLOGY - I

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 embryonic notochord is replaced by _____ in most of the vertebrates. a) Ventral Heart      b) Gills c) Wings              d) Vertebral column	K1	CO1
	2	Which of the following class exhibits polymorphism? a) Hydrozoa           b) Scyphozoa c) Crinoidea          d) Gastropoda	K2	CO2
2	3	The suckers and hooks are present in a) Earthworm          b) Ascaris c) Tape worm          d) Leucosolenia	K1	CO1
	4	Which one of the animal is known as the sea fur? a) Euglena            b) Volvox c) Amoeba            d) Obelia	K2	CO2
3	5	The chitinous exoskeleton and jointed appendages are defining features of which animal ? a) Earthworm          b) Prawn c) Starfish            d) Jellyfish	K1	CO1
	6	The structure through which the water vascular system opens to the exterior is called a) Ambulacral groove b) Tube feet c) Madreporite        d) Stone canal	K2	CO2
4	7	The scientific name of shark is _____ (a) Scoliodon sorrikowah    (b) Tilapia (c) Paneus indicus          (d) Catla catla	K1	CO1
	8	Frogs are _____ (a) Homeothermic        (b) Warm-blooded (c) Poikilothermic      (d) Heterothermic	K2	CO2
5	9	Which one is graminivorous _____ (a) Shark                (b) Frog (c) Pigeon              (d) Calotus	K1	CO1
	10	How many teeth does a rabbit have? (a) 28                    (b) 26 (c) 24                    (d) 20	K2	CO2

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.	Classify Phylum Protozoa upto class levels with examples.  (OR)	K2	CO2
	11.b.	Show the general characters of Mammals.		
2	12.a.	Illustrate the structure of Paramecium.  (OR)	K2	CO2
	12.b.	Explain the life history of <i>Taenia solium</i> .		
3	13.a.	Elucidate the process of circulation in earthworm.  (OR)	K4	CO4
	13.b.	Examine the body organisation of Prawn.		
4	14.a.	Explain briefly the arterial and venous system of shark.  (OR)	K2	CO2
	14.b.	Relate the process of respiration in frog in the amphibian's mode of life.		
5	15.a.	Elucidate the mechanism of digestion in Pigeon.  (OR)	K4	CO4
	15.b.	"Rabbit exhibits a typical mammalian form of body" - Discuss.		

**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	Compare the general characters of Class Amphibia and Class Aves.	K2	CO2
2	17	Differentiate the male and female reproductive system of <i>Taenia solium</i> .	K2	CO2
3	18	Contrast the aquatic and aerial respiration of pila.	K4	CO4
4	19	Elucidate the shark urinogenital system.	K4	CO4
5	20	Explain the respiratory system of Pigeon with suitable diagram.	K5	CO5