

PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2025
(First Semester)

Branch- ZOOLOGY

ECOLOGY

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

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.	Describe the importance of energy flow in ecosystem. (OR)	K2	CO1
	11.b.	Explain the measurement of productivity in tropical ecosystem.		
2	12.a.	Explore the types of competition and their influence in an ecosystem community. (OR)	K3	CO2
	12.b.	Expose the importance and consequences of removing a keystone species.		
3	13.a.	Detect the mechanisms and importance of population growth. (OR)	K4	CO3
	13.b.	Explain the structural characteristics and applications of density and indices.		
4	14.a.	Explain the non-renewable energy resources in India. (OR)	K5	CO4
	14.b.	Estimate the wetlands in India.		
5	15.a.	Summarize the methods of solid waste management. (OR)	K6	CO5
	15.b.	Explain the types and importance of biological indicators.		

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	Give an account on the tropic structure in aquatic ecosystem.	K2	CO1
2	17	Explore the types of community succession in an ecosystem.	K3	CO2
3	18	Explain in detail the human population control.	K4	CO3
4	19	Summarize the applications of GIS in oceanography.	K5	CO4
5	20	Specify the methods of biodiversity conservation.	K6	CO5

Z-Z-Z END