

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)  
BSc DEGREE EXAMINATIONS MAY 2024  
(Sixth Semester)

Branch – ZOOLOGY

ENVIRONMENTAL BIOLOGY

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

1. Which one is the deals with the application of ecological concepts to the human needs?  
i) Space Ecology ii) Community Ecology  
iii) Paleo ecology iv) Applied Ecology.
2. The organisms that break up of plants and their waste products  
i) Reducer ii) Decomposer  
iii) Both a and b iv) Producer
3. The shallow water region of the shore is called  
i) *Netritic zone* ii) *Oceanic zone*  
iii) *Littoral zone* iv) *Deep sea.*
4. The average number of individual produced by a population in a given time is called.  
i) Density ii) Mortality  
iii) Age distribution iv) Natality
5. The study of the distribution of animals of the past is called  
i) Geographical distribution ii) Ecological distribution  
iii) Continuous distribution iv) Parallel distribution

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

6. a What is Ecology? And list out the sub divisions of Ecology.  
OR  
b Describe the composition of soil.
7. a Analyze the components of ecosystem.  
OR  
b Explain the food chain with examples.
8. a Give an account of characteristics of pond.  
OR  
b Classify the pelagic organisms in marine habitat.
9. a Write a brief note on population Density.  
OR  
b Discuss about the Causes of water Pollution.
10. a Write short notes on Bathymetric distribution in zoogeography.  
OR  
b Give a brief note on Endangered flora of India.

Cont...

**SECTION -C (30 Marks)**  
Answer **ALL** questions  
**ALL** questions carry **EQUAL** Marks

(5 x 6 = 30)

11. a Describe the properties of water.  
OR  
b Explain the Biological effects of light on organisms.
12. a Write a detailed account of Ecological pyramids.  
OR  
b Discuss the mutualism with examples.
13. a Write a brief note on Intertidal Rocky shore.  
OR  
b Discuss about the Forest Biomes.
14. a Give an account of different kinds of population dispersal.  
OR  
b Describe the causes and effects of air pollution.
15. a Discuss about the Zoogeographical regions of world.  
OR  
b Write an account of Conservation of wildlife in India.

Z-Z-Z

END