

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2024
(Sixth Semester)

Branch – BOTANY

PLANT ECOLOGY

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

- 1 Choose the odd one?
(i) Light (ii) Moisture
(iii) Temperature (iv) Xerophyte
- 2 The natural place of an organism or community is known as
(i) biome (ii) niche
(iii) habit (iv) habitat
- 3 ----- is a famous mangrove forest in Tamilnadu
(i) Pitchavaram (ii) Mudumalai
(iii) Kodiakarai (iv) Shenbagathopu
- 4 Chipko movement was started by
(i) Motilal Sharma (ii) Shivraj Pande
(iii) Sunderlal Bahuguna (iv) Dina Chaterjee
- 5 Which of the following pollutants are responsible for the cause of SMOG?
(i) From incinerators (ii) Both
(iii) Emissions from vehicles (iv) None

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a Summarize the adaptations made by hydrophytes.
OR
b Outline food chain with examples.
- 7 a Explain the functions of an ecosystem.
OR
b Summarize food web.
- 8 a Bring out the importance of mangrove forest.
OR
b Explain the quadrat method.

Cont...

- 9 a Summarize the importance of red data book.
OR
b Outline the basics of endemism.
- 10 a Analyze the ill effects of air pollution.
OR
b Describe eutrophication.

SECTION -C (30 Marks)

Answer **ALL** questions
ALL questions carry **EQUAL** Marks (5 x 6 = 30)

- 11 a Compare mutualism and commensalism.
OR
b Enumerate the abiotic factors that affects the ecosystem.
- 12 a Summarize the different stages of carbon cycle.
OR
b Elucidate the functions of an ecosystem.
- 13 a Enumerate and explain the features of vegetations of India.
OR
b Examine the characteristics of plant communities.
- 14 a Highlight the importance of hot spots.
OR
b Highlight the importance of biosphere reserves with examples.
- 15 a Discuss in detail the various sources of water pollution and its control measures.
OR
b Summarise various solid waste management methods.

Z-Z-Z

END