

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2019
(Fourth Semester)

Branch-BOTANY

ENVIRONMENTAL BOTANY

Time: Three Hours

Maximum: 75 Marks

SECTION -A (30 Marks)

Answer ALL questions

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

- 1 a Write brief note on Ecological niche.
OR
b Give an account on abiotic environmental factors.
- 2 a Give a detailed account on population growth curves.
OR
b Write short notes on : (i) Herbivory (ii) Camivory.
- 3 a Write a general note on ecological succession.
OR
b Mention the characteristic features of xerophytes.
- 4 a Illustrate the Nitrogen Cycle.
OR
b Write about the structure and functions of an ecosystem.
- 5 a Highlight the scope and importance of environmental education.
OR
b List out various natural resources and their management.

SECTION -B (45 Marks!)

Answer any THREE questions

ALL questions carry EQUAL Marks (3 x 15 = 45)

- 6 Explain the different types of habitat of subcontinent.
- 7 Explain the mechanism of litter fall decomposition and climatic factors associated with decomposition.
- 8 Enumerate the methods of analysis of communities.
- 9 Explain the strategies of ecosystem restoration.
- 10 Write in detail about the application of GIS and RS technology in environmental studies.