

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2018  
(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 Briefly describe ecological niche.  
OR  
b Comment on biotic and abiotic interactions.
- 2 a List out the characteristics of a population.  
OR  
b Write short note on population growth curve.
- 3 a Give an account on edges and ecotones.  
OR  
b Comment on concept of climax.
- 4 a Describe nitrogen cycle with a neat diagram.  
OR  
b Give a brief account on ecosystem restoration.
- 5 a Analyse the applications of GIS.  
OR  
b Write short note on Environmental Education programmes.

**SECTION -B (45 Marks)**

Answer any THREE questions

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

- 6 Explain the major habitat types of the sub continent.
- 7 Narrate different types of interactions occur among living organisms.
- 8 Give an elaborate account on various morphological, physiological and anatomical adaptations of halophytes.
- 9 Write an essay on floral and faunal characteristics of major terrestrial ecosystems.
- 10 Write in detail about the role of Environmental Organizations.

Z-Z-Z

END