11/28/2020

18BOP17

Exam Date & Time: 26-Sep-2020 (02:00 PM - 05:30 PM)



PSG COLLEGE OF ARTS AND SCIENCE

Note: Writing 3hrs: Checking & Inserting Image: 30mins

MSc DEGREE EXAMINATION MAY 2020 (Fourth Semester)

Branch - BOTANY ECOLOGICAL CONCEPTS [18BOP17]

Marks: 75 Duration: 210 mins. SECTION A Answer all the questions. 1) In natural place where the organisms or communities live is known as (i) Niche (ii) Habit (1) (iii) Habitat (iv) Biome Air, Water, Light, Temperature and pH makes up 2) (i) biotic environment (ii) abiotic environment (1) (iii) ecosystem (iv) food chain The relation between algae and fungi in lichen is 3) (i) symbiosis (ii) parasitism (1) (iii) commensalism (iv) proto cooperation Study of inter-relationships between organisms and their environment is 4) (i) ecology (ii) ecosystem · (1) (iii) phytogeography (iv) ethology The primary succession refers to the development of communities on a 5) (i) forest clearing after devasting fire (ii) newly-exposed habitat with no record of earlier vegetation (1) (iii) freshly cleared crop field (iv) pond, freshly filled with water after a dry phase (1) Which of the following acts as "nature's scavengers"? 6) (i) insects (ii) microorganisms

State the ecotones.

Write notes on biomes.

a) [OR]

b)

14)

(7)

(7)

(7)



11/28/2020	18BOP17	
[OR]	Explain the edaphic factors.	(7)
15)	Write notes on MAB.	(7)
_ a).		
[OR] b)	Describe about natural resources.	(7)
SECTION C		
Answer 3 out of 5 questions.		
16)	Answer the following (i) Concept of habitat (ii) Resource Partitioning.	(10)
17)	Describe the life history strategies in population ecology.	(10)
18)	Discuss on ecological adaptations of xerophytes.	(10)
19)	Elucidate the faunal characteristics of major terrestrial ecosystems.	(10)
20)	"Remote Sensing technology in environmental studies" - Discuss.	(10)

----End-----