PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2022

(First Semester)

Branch - ENVIRONMENTAL SCIENCE

ECOLOGY & SUSTAINABLE DEVELOPMENT

Time	: :: T	Three Hours	Maximum: 50 Marks
		SECTION-A (5 M Answer ALL ques ALL questions carry EQ	tions
1	(1	oposphere osphere
2	(za show? rasitism mmensalism
3	t (What are the species called whose number to a critical level? (i) Data Deficient (ii) Ra (iii) Vulnerable (iv) En	
4	(When did the phrase "Sustainable Develoy (i) 1987 (ii) 198 (iii) 1978 (iv) 19	80
5	(Which one of the following sustainable Dequality? (i) Goal 15 (ii) Goal 15 (iv) Goal 5 (iv) Goal 15 (iv) Goal 5	al 3
·		SECTION - B (15 I Answer ALL Ques ALL questions carry EQ	stions
	a b	OR	cts in an environment?
eso.	a	TO 100 and the state of the sta	
8	b a	Comment on freshwater ecosystem wit OR	h appropriate example.
^	b a	The state of the s	
	b		ethods.
	a b	OR	
			Cont

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SECTION -C (30 Marks)

Answer ALL questions
ALL questions carry EQUAL marks

 $(5 \times 6 = 30)$

- 11 a Explain the structure and function of an ecosystem in detail.
 - b Give a detailed account on hydrosphere.
- 12 a Describe the properties and charasteristics of a population.

OR

- b Explain the concept and principles of community ecology.
- 13 a Explain about different terrestrial biomes with suitable examples.

OR

- b Illustrate the significance of biodiversity hotspots in India.
- 14 a Outline your views on global sustainable development practices.

OR

- b Give a detailed account on Land Use Policy of India.
- 15 a Discuss on 2030 Agenda for sustainable development.

OR

b Explain the cases studies of Save Silent Valley Movement and Narmada Bachao Andolan.

Z-Z-Z

END