

DEPARTMENT OF PHARMACEUTICAL SCIENCES & TECHNOLOGY
BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(End Semester Examination)

CLASS: BPHARMACY
BRANCH: PHARM SCI TECH

SEMESTER: II
SESSION: SP25

SUBJECT: BP206T ENVIRONMENTAL SCIENCES

TIME: 2.00 Hour

FULL MARK: 50

A. Short Answers

(Answer six out of eight)

(06 x 05 = 30 marks)

	CO	BL
1. Describe the hydrological cycle and highlight its role in ecosystem balance.	1, 2	2
2. Discuss the importance of Forests in ecosystem balance.	1,2	2
3. Justify the sentence "Land degradation takes place when land use exceeds the carrying capacity of a system".	3	3
4. Analyze the problem caused by the extensive modern agricultural practices.	3	3
5. Discuss the biotic components of ecosystems and their role.	2	2
6. Discuss intraspecific relations which affect individuals in any ecosystem.	2	2
7. Discuss major terrestrial ecosystems and their basis of classification.	2	2
8. Discuss Ecosystem services that benefit humans.	2	2

B. Long Answers

(Answer two out of three)

(02 x 10 = 20 marks)

	CO	BL
1. Discuss the sources, standards, health and environmental effects of criteria air pollutants.	1, 2	2
2. Discuss the classification of water pollutants and give examples of each category.	1, 2	2
3. Discuss the causes of soil pollution and their ecological and health effects.	1, 2	2

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