

Branch - ENVIRONMENTAL SCIENCE

Maximum: 75 Marks

ALL questions carry **EQUAL** marks (10 × 1 = 10)

Cont...

SECTION – B (35 Marks)Answer **ALL** Questions**ALL** Questions carry **EQUAL** marks

(5 x 7 = 35)

11	a	Examine the significance of natural resources for human welfare and development.	K3	CO1
		OR		
	b	Explore the fisheries resources in India with examples.		
12	a	Illustrate the primary methods of heat transfer with suitable examples.	K4	CO2
		OR		
	b	Identify the key challenges of energy security in India.	K4	CO2
13	a	Explain the deep geological disposal of nuclear waste and its limitations.	K4	CO3
		OR		
	b	Distinguish the mechanism of solar panels and photovoltaic systems.	K4	CO3
14	a	Appraise the role of energy managers in industries.	K5	CO4
		OR		
	b	Evaluate the environmental benefits of sustainable energy systems.		
15	a	Summarise any one of the success story of energy conservation in India.	K5	CO5
		OR		
	b	Critically analyze the Indian Knowledge System for energy conservation.		

SECTION – C (30 Marks)Answer any **THREE** Questions**ALL** Questions carry **EQUAL** marks

(3 x 10 = 30)

16	Explain the existing land use pattern in India and the challenges for land resources conservation.	K4	CO1
17	Assess the sector-wise energy consumption pattern in India.	K5	CO2
18	Appraise the recent initiatives for the green hydrogen production in various sectors in India with suitable examples.	K5	CO3
19	Compare the various batteries used for electro-chemical storage of energy systems and their advantages and limitations.	K4	CO4
20	Explore the salient features of PM-EDRIVE scheme.	K3	CO5

Z-Z-Z END