

**ENVIRONMENTAL IMPACT ASSESSMENT AND ENVIRONMENTAL
MANAGEMENT SYSTEM**

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	In which country EIA was first formally introduced? (i) India (ii) UK (iii) USA (iv) Canada	K1	CO1
	2	The main objective of EIA is to (i) Predict environmental impacts (ii) Increase profit (iii) Promote industries (iv) Reduce taxes	K2	CO1
2	3	Which is a statutory tool for environmental clearance in India? (i) ISO 9001 (ii) Paris Agreement (iii) CSR Policy (iv) EIA Notification 2006	K1	CO2
	4	Screening in EIA refers to (i) Public hearing (ii) Deciding whether EIA is required (iii) Impact prediction (iv) Project approval	K2	CO2
3	5	Environmental audit is used to (i) Assess financial loss (ii) Calculate profit (iii) Evaluate environmental performance (iv) Assess market value	K1	CO4
	6	ISO 14001 is related to: (i) Environmental Management Systems (ii) Quality management (iii) Occupational safety (iv) Risk management	K2	CO5
4	7	Life Cycle Assessment (LCA) evaluates (i) Profit cycle (ii) Business cycle (iii) Human life span (iv) Environmental impacts of a product	K1	CO5
	8	CSR stands for (i) Corporate Safety Regulation (ii) Corporate Social Responsibility (iii) Corporate Social Report (iv) Corporate Social Rights	K2	CO5
5	9	ESG refers to (i) Economic Social Growth (ii) Environmental Safety Group (iii) Environmental, Social, Governance (iv) Economic Sustainability Governance	K1	CO5
	10	AI in EIA is mainly used for (i) Manual calculations (ii) Impact prediction and data analytics (iii) Financial auditing (iv) Policy framing	K2	CO3

Cont...

ALL questions carry EQUAL Marks

(5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Explain the short term and long term objectives of Environmental Impact Assessment.	K2	CO1
	(OR)			
	11.b.	Describe the steps involved in EIA process with a neat flow diagram.		
2	12.a.	Discuss the provisions of EIA Notification 2006 in India.	K3	CO2
	(OR)			
	12.b.	Why baseline data collection is most important in EIA?		
3	13.a.	Explain the various check list methods used for impact prediction in EIA.	K3	CO3
	(OR)			
	13.b.	Discuss public participation and its role in EIA.		
4	14.a.	Analyse the importance of Life Cycle Assessment (LCA) in industrial management.	K4	CO4
	(OR)			
	14.b.	Evaluate the Significance of waste audit in an industry.		
5	15.a.	Assess the role of CSR in sustainable industrial development.	K4	CO5
	(OR)			
	15.b.	Explain the merits and demerits of Environmental Management System.		

SECTION -C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks

(3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Critically analyse the role of Environmental Impact Assessment as a decision-making tool for sustainable development, with suitable case studies.	K5	CO1
2	17	Evaluate advanced EIA methodologies such as GIS, Remote Sensing, and AI-based models in predicting environmental impacts and improving project planning.	K5	CO2
3	18	Critically examine Environmental Audit as a regulatory and voluntary mechanism for industrial pollution control and corporate environmental accountability.	K5	CO3
4	19	Design a comprehensive Environmental Management System (EMS) framework for a chemical industry integrating ISO 14001 requirements and continuous improvement strategies.	K6	CO4
5	20	Propose an integrated ESG-based sustainability strategy for Indian industries to meet SDGs and climate change mitigation commitments.	K6	CO5

Z-Z-Z

END