

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2024
(Second Semester)

Branch - ENVIRONMENTAL SCIENCE

**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	Choose the correct sequence to obtain Environmental Clearance for a project. a) Public Participation, Screening, Scoping, Appraisal b) Screening, Scoping, Appraisal, Public Participation c) Appraisal, Screening, Scoping, Public Participation d) Screening, Scoping, Public Participation, Appraisal	K1	CO1
	2	The validity period of Environmental Clearance after Environmental Impact Assessment is least for a) River valley projects b) Area development projects c) Mining projects d) Harbour projects	K2	CO1
2	3	Which are environmental attributes? a) Detailed attributes b) Review level attributes c) Economic attributes d) Both (a) and (b)	K2	CO2
	4	Which of the following is relevant to the baseline studies in EIA? a) Prediction of significant residual environmental impact b) Selection of best project option available c) Existing environmental settling of proposed development area d) Collection of demographic data only	K2	CO2
3	5	Which method is provide framework of interaction of different actions of a project? a) Matrix method b) Overlay method c) Checklist approach d) Ad hoc method	K2	CO3
	6	Which of the following reduces the planet's carrying capacity? a) Increased resources b) Increased land erosion c) Reduced inequality d) Technological improvement	K2	CO2
4	7	What is the concept of "sustainable consumption"? a) Reducing waste generation b) Maximizing resource use c) Promoting overconsumption d) Ignoring environmental concerns	K2	CO4
	8	ISO 14040 is related with a) Environmental Performance Evaluation b) Life Cycle Assessment c) Environmental Auditing d) Environmental Labelling Standards	K1	CO5

Cont...

5	9	Which one of the following is not within the purview of ISO 14000 families of standards? a) Quality Management System b) Environmental Management System c) Environment Auditing d) Life Cycle Assessment	K2	CO5
	10	What is triple bottom line? a) A management strategy which states all the attention should be on profits b) An accounting tool that looks at the impact on people, planet and profits c) An accounting tool that looks at cost, profit and loss d) A management strategy which focuses on corporate social responsibility	K2	CO5

SECTION - B (35 Marks)

Answer ALL questions

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 EIA.	K5	CO1
	(OR)			
	11.b.	'Transdisciplinary experts involved in EIA review process needs more clarity for decision making' – Justify.	K5	CO1
2	12.a.	Distinguish between EIS and EMP.	K4	CO2
	(OR)			
	12.b.	Evaluate the procedures for conducting public participation in EIA studies according to EIA notification 2006.	K4	CO2
3	13.a.	Network method has more clarity than any other EIA methods – Justify.	K5	CO3
	(OR)			
	13.b.	Evaluate the difference between natural resources economics and environmental economics.	K5	CO4
4	14.a.	Discuss the role of environmental auditing in sustainable development.	K5	CO4
	(OR)			
	14.b.	Appraise the Life Cycle Inventory Analysis in LCA for a product.	K5	CO5
5	15.a.	Critically analyze the merits and demerits of Environmental Management System.	K5	CO5
	(OR)			
	15.b.	Explain the role of CSR activities in environmental sustainability with a case study in India.	K5	CO5

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 assess the various steps involved in EIA process.	K5	CO2
2	17	Evaluate the different stages of environmental clearance obtained from MoEF&CC according to EIA notification 2006.	K5	CO2
3	18	Appraise the different checklist methods and their advantages.	K5	CO3
4	19	Compare the Cradle-to-gate and Cradle-to-grave LCA approaches with suitable examples.	K5	CO5
5	20	Evaluate the Plan-Do-Check-Act (PDCA) model in Environmental Management System.	K5	CO5