

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2023
(Second Semester)

Branch – ENVIRONMENTAL SCIENCE

**ENVIRONMENTAL IMPACT ASSESSMENT AND
ENVIRONMENTAL MANAGEMENT SYSTEM**

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

- 1 EIA was first introduced by
 - (i) Environmental Protection Act
 - (ii) Environmental Policy Act
 - (iii) Environmental Regulation Act
 - (iv) Environmental Reforms Act
- 2 Description of the existing environment is known as
 - (i) Environmental baseline
 - (ii) Environmental status
 - (iii) Environmental appraisal
 - (iv) Environmental conditions
- 3 Cost Benefit Analysis implies a systematic comparison. State which option is relevant from the following?
 - (i) Raw material
 - (ii) Output
 - (iii) Function of an organization
 - (iv) Economic profitability
- 4 Life Cycle Assessment is standardized on
 - (i) ISO14040
 - (ii) ISO14041
 - (iii) ISO14042
 - (iv) ISO14043
- 5 In PDCA cycle, Plan step includes
 - (i) Monitor
 - (ii) Performance
 - (iii) Implementation
 - (iv) Establish

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

- 6 a Explain public participation in EIA.
OR
b Illustrate the types of EIA.
- 7 a Explain the role of ToR in environmental clearance of projects.
OR
b Justify EIA as an integral part of the planning process.
- 8 a State the uses of overlay method in EIA.
OR
b Discuss natural resource economics.
- 9 a Classify the types of Environmental Audit.
OR
b Explain liability audit.
- 10 a Evaluate the merits and demerits of EMS.
OR
b Classify the environment management tools.

Cont...

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Differentiate scoping and screening in EIA.
OR
b Determine the merits and demerits of EIA.
- 12 a Differentiate Environmental Impact Statement and Environmental Management Plan.
OR
b Elucidate the various stages involved in EIA notification 2006 to obtain environmental clearance of projects.
- 13 a Categorize the EIA methodologies with examples.
OR
b Interpret the methods of valuation of environmental impacts.
- 14 a Elucidate waste minimization audit with examples.
OR
b Interpret Cradle to grave approach with an example.
- 15 a ISO 14001 is an environmental management tool – Justify.
OR
b Elucidate the Corporate Social Responsibility and the major CSR initiative in India.

Z-Z-Z

END