

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 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 Which one of the following is the correct order of steps taken during the process of EIA?
(i) Scoping, Screening, Public Hearing, EIA, Issue of Environmental Clearance
(ii) Screening, Public Hearing, Scoping, EIA, Issue of Environmental Clearance
(iii) Screening, Scoping, Public Hearing, EIA, Issue of Environmental Clearance
(iv) Screening, EIA, Public hearing, Issue of Environmental Clearance
- 2 The plan that are aimed at mitigating the possible adverse impact of a project and for ensuring to maintain the existing environmental quality is
(i) Environmental Management Report
(ii) Environmental Management Document
(iii) Environmental Management Statement
(iv) Environmental Management Plan
- 3 Matrix methodology available for predicting the impact of a project on the environment is developed by
(i) Lenin (ii) Lexus (iii) Leopold (iv) Leonard
- 4 How many audit activities has to be done usually?
(i) 2 (ii) 3 (iii) 4 (iv) 5
- 5 Performance process comes under
(i) Plan (ii) Do (iii) Check (iv) Act

SECTION - B (15 Marks)

Answer ALL Questions

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

- 6 a Explain scoping process in EIA.
OR
b Illustrate the impact prediction in EIA.
- 7 a Justify the role of EIS in EIA.
OR
b List out the components of baseline inventory studies.
- 8 a State the uses of simulation and modelling techniques in EIA.
OR
b Classify the types of various checklist methods in EIA.

Cont ...

- 9 a Illustrate the needs of waste minimization audits.
OR
b Explain the approaches to liability audit.
- 10 a Evaluate the scope and objectives of EMS.
OR
b Classify the framework approaches for developing EMS.

SECTION -C (30 Marks)

Answer ALL questions
ALL questions carry EQUAL Marks (5 x 6 = 30)

- 11 a Elucidate the various steps involved in EIA.
OR
b 'Environmental Impact Assessment is a decision making tool' – Justify.
- 12 a Evaluate the significance of Terms of Reference (TOR) and its role in EIA.
OR
b Elucidate the methods of flora and fauna assessment with a case study.
- 13 a Differentiate the natural resource economics and environmental economics.
OR
b Evaluate the significance of Cost-Benefit Analysis with an example.
- 14 a Elucidate the steps involved in environmental audit.
OR
b Analyze the evolutionary pathways of LCA.
- 15 a 'PDCA Cycle is a tool for continuous improvement' – Justify.
OR
b Elucidate CSR initiatives in India with case study.

Z-Z-Z

END