

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2022  
(Second Semester)

Branch – ENVIRONMENTAL SCIENCE

ENVIRONMENTAL IMPACT ASSESSMENT

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

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

- 1 Building and Construction projects with an extent of  $\geq 20000$  sq.mts and  $< 1,50,000$  sq.mtrs. of built up area belongs to the category  
(i) Category A (ii) Category B  
(iii) Category AB (iv) Category ABC
- 2 The public hearing should be completed within a period of  
(i) 25 days (ii) 35 days  
(iii) 45 days (iv) 55 days
- 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 A natural or artificial process by which carbon dioxide is removed from the atmosphere and held in solid or liquid form is known as  
(i) Carbon capture (ii) Carbon absorption  
(iii) Carbon assimilation (iv) Carbon sequestration
- 5 Government of India created an organization for Disaster Management. The Name of that organization is  
(i) Central Disaster Management Authority (ii) Indian Disaster Management Authority  
(iii) National Disaster Management Authority (iv) Bharat Disaster Management Authority

SECTION - B (15 Marks)

Answer ALL Questions

ALL questions carry EQUAL marks (5 x 3 = 15)

- 6 a Explain OSHA system and Industrial safety.  
OR  
b Discuss the list of projects requiring environmental clearance.
- 7 a Point out the area selection and sitting criteria for projects.  
OR  
b State the methods of social impact analysis and assessment.
- 8 a Illustrate environmental auditing.  
OR  
b Distinguish adhoc and checklist methods.
- 9 a Explain Clean Development mechanism.  
OR  
b Discuss the significance of Coastal Regulation zone notification 1991.
- 10 a State the disaster preparedness with reference to landslides.  
OR  
b Discuss the Disaster preparedness and policy.

Cont...

**SECTION -C (30 Marks)**

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 6 = 30)

11 a Compare EIA Notification 1994 and 2006.

OR

b EIA is a decision making tool – Justify.

12 a Write an appraisal on EIA and EMP.

OR

b Formulate methodology for Flora and Fauna Assessment.

13 a Illustrate the Life cycle assessment with suitable example.

OR

b Elucidate Cost Benefit analysis with examples.

14 a Discuss the Pros and Cons of Sethu Samudram Project.

OR

b Critically analyse the significance of ISO 14000 series in Environment management.

15 a Evaluate the Chennai floods, its causes and measures of disaster preparedness.

OR

b Elucidate the role of insurance sector in disaster management.

Z-Z-Z

END