

**M.Sc. ENVIRONMENTAL SCIENCE  
THIRD SEMESTER  
ENVIRONMENTAL IMPACT ASSESSMENT  
MEV-304**

Duration: 3 Hrs.

Marks: 70

PART : A (OBJECTIVE) = 20  
PART : B (DESCRIPTIVE) = 50

[ PART-B : Descriptive ]

Duration: 2 Hrs. 40 Mins.

Marks: 50

[ **Answer question no. One (1) & any four (4) from the rest** ]

1. Write a note on history of EIA development in India. What are the steps of EIA in India? (5+5=10)
2. What are the objectives of Air Prevention and Control of Pollution Act, 1981? What are the powers and functions of central and state pollution control boards for prevention and control of air pollution? (4+6=10)
3. Define from the context of law (*any five*): Environment, Pollution, Wildlife, Animal, Fission, Nuclear Reactor. (2×5=10)
4. Write short notes on: (*any two*) (5×2=10)
  - a) Water (Prevention and Control of Pollution) Act, 1974.
  - b) Motor Vehicles Act 1988.
  - c) Public liability Insurance, Act.
5. Make comparison between Indian EIA procedure with few developed and developing countries. (10)
6. Define environmental auditing. State the procedure and benefits of environmental auditing. (1+5+4=10)
7. Differentiate EIA and EMP. Write the aims of EMP. How EMP is prepared? (2+3+5=10)
8. Define EIA screening. State the criteria, techniques and importance of screening. (1+3+3+3=10)

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**[ PART-A : Objective ]**

**Choose the correct answer from the following:**

**1×20=20**

1. How many projects in the list of Schedule I of EIA guidelines require environmental clearance from MoEF?
  - a. 17
  - b. 27
  - c. 29
  - d. None
2. MoEF amended the EIA notification making public hearing mandatory for environmental clearance on:
  - a. 27 January, 1996
  - b. 27 January, 1997
  - c. 10 April, 1997
  - d. None of above
3. The impacts caused by construction of dam and reservoirs include:
  - a. Change in microclimate.
  - b. Loss of vegetal cover.
  - c. Soil erosion.
  - d. All the above.
4. The gas responsible for Bhopal tragedy was:
  - a. MIC
  - b. MCI
  - c. MIS
  - d. All of above
5. Which of the following practices would have the biggest impact on achieving global sustainability?
  - a. Recycling aluminum cans.
  - b. Using fuel efficient vehicles.
  - c. Replanting deforested areas.
  - d. Reducing human population size.
6. The comprehensive legislation that is truly a milestone in the field of environmental protection was enacted in:
  - a. 1974
  - b. 1981
  - c. 1986
  - d. 2016
7. Which of the following agency has laid down the standards for the control of air, water and noise?
  - a. Central Pollution Control Board.
  - b. State Pollution Control Board.
  - c. Both CPCB and State Pollution Control Board.
  - d. Central Pollution Control Tribunal.
8. Those industries that had installed a suitable treatment plant for the treatment of industrial effluents can get a rebate of ..... per cent on the cess payable.
  - a. 10
  - b. 50
  - c. 70
  - d. 90
9. The Wildlife Protection Act 1972 extends to all states of India except:
  - a. Jammu & Kashmir
  - b. Arunachal Pradesh
  - c. Meghalaya
  - d. None of above
10. Which category project does not require EIA?
  - a. A
  - b. B1
  - c. B2
  - d. None
11. Projects satisfying the GC are included in:
  - a. Category A
  - b. Category B1
  - c. Category B2
  - d. All
12. Category B2 projects are screened by:
  - a. MoEFCC
  - b. SEIAA
  - c. EC
  - d. None
13. Paper and pulp industries are included in which project category?
  - a. A
  - b. B
  - c. C
  - d. None
14. Building and construction projects are listed in:
  - a. Category A
  - b. Category B
  - c. Category C
  - d. None

15. Existence value of an environmental goods is assessed by:

- a. Direct value
- b. Indirect value
- c. Ecosystem value
- d. All of the above

16. Authorities involved in scoping:

- a. EAC
- b. SEAC
- c. SPCB
- d. All of the above

17. Impact magnitude in EIA is based on:

- a. Duration
- b. Intensity
- c. Likelihood
- d. Both a & b

18. Leopold matrix is also known as:

- a. Simple matrix
- b. Time matrix
- c. Quantified matrix
- d. Magnitude matrix

19. Quasi-option value for an environmental goods depend on :

- a. Present value.
- b. Ecosystem value.
- c. Endemic value.
- d. None.

20. In which phase of EIA, ToR is prepared?

- a. IEE
- b. Screening
- c. Scoping
- d. Impact analysis

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# UNIVERSITY OF SCIENCE & TECHNOLOGY, MEGHALAYA



**[PART (A) : OBJECTIVE]**

Duration : 20 Minutes

Serial no. of the main Answer sheet

Course : .....

Semester : ..... Roll No : .....

Enrollment No : ..... Course code : .....

Course Title : .....

Session : ..... 2017-18 ..... Date : .....

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### Instructions / Guidelines

- The paper contains twenty (20) / ten (10) questions.
- Students shall tick (✓) the correct answer.
- No marks shall be given for overwrite / erasing.
- Students have to submit the Objective Part (Part-A) to the invigilator just after completion of the allotted time from the starting of examination.

Full Marks	Marks Obtained
20	

Scrutinizer's Signature

Examiner's Signature

Invigilator's Signature