

MA DISASTER MANAGEMENT
Third Semester
Environmental Impact Assessment and Disaster Management
(MDM - 15)

Duration: 3Hrs.

Full Marks: 70

Part-A (Objective) =20

Part-B (Descriptive)=50

(PART-B: Descriptive)

Duration: 2 hrs. 40 mins.

Marks: 50

1. Answer *any five* from the following:

2×5=10

- a) What is Environmental Impact Assessment?
- b) What do you understand by Base line Data? Give example.
- c) What are the methods of Impact identification?
- d) What is Canadian Environmental Assessment Act?
- e) Write two difference between EIA in Developing countries and Developed countries.
- f) Define: Screening and Scoping.
- g) What do you understand by Environmental Impact Statement?

2. Write Short notes on *any five* from the following:

3×5=15

- a) Principles of EIA.
- b) Characteristics and Application of EIA.
- c) Essential Steps of EIA according to NEPA.
- d) Project Cycle in EIA process.
- e) Leopold Metrix of EIA.
- f) Social Impact Assessment.
- g) Major issues highlighted during public Hearing.

3. Answer *any five* from the following:

5×5=25

- a) Discuss briefly about the evolution and major trends in EIA.
- b) Explain all the stages involved with EIA process. Give diagram in support.
- c) Prepare risk for new airport field construction by using multiple criteria analysis method.
- d) Discuss EIA process in Hydro electric power impact assessment.
- e) Explain all the procedure for conducting public hearing in India.
- f) How the application of Geo-informatics can be helpful in environmental issues or disaster management?
- g) Describe briefly about the EIA regulations and policies in India.

5. Objectives of California EIA are-

- i. Disclose to decision makers and the public.
- ii. To identify ways to avoid or reduce environmental damage.
- iii. To prevent environmental damage by requiring implementation of flexible alternative or mitigation measure
- iv. To enhance public participation in the planning process.

Select correct answer from the code given below-

Codes:

- a) 1, 2, 3 b) 2 and 3 only c) Only 2 d) All the above

6. Public involvement typically occurs in which of the following stage of EIA-

- a) Screening b) Scoping c) EIA report d) None of these

7. In which of the following principle of Rio- declaration main focus was on EIA-

- a) Principle 10 b) Principle 12 c) Principle 15 d) Principle 17

8. Screening type of idea is come from which of the following country-

- a) USA b) Canada c) UK d) Africa

9. Canadian Environmental Assessment Act was enacted in-

- a) 1990 b) 1992 c) 1994 d) 1995

10. EIA is referred to as Assessment of Environmental Effects (AEE) in which of the following country-

- a) Australia b) Newzeland c) Germany d) Canada

11. Health impact Assessment (HIA) model first emerged in-

- a) 1970 b) 1972 c) 1976 d) 1980

12. Social Impact Assessment was conducted for the first time in-

- a) Canada b) Netherland c) U.S d) New Zealand

13. Relationship of Social impact assessment with other impact assessment fields are-

- a) Economic Impact Assessment b) Cultural Impact Assessment
c) Risk Assessment d) All the above

14. Principles of Social Impact Assessment are-

- a) Integrate SIA with public involvement. b) Analyse impact equity.
c) Focus SIA on the possible identification impacts. d) All the above.

15. Characteristics of Impact Identification are:

1. Nature 2. Magnitude 3. Geographical extent 4. Significance 5. Duration

Select correct answer from the code given below-

Codes:

- a) 1, 2, 3 b) 2 and 3 only c) Only 2 d) All the above

16. EIA notifications implies for –

1. Industry and mining projects 2. Thermal power projects
3. River valley projects 4. Port and Highway project

Select correct answer from the code given below-

Codes:

- a) 2, 3 and 4 b) 1 and 4 only c) 1, 2 and 3 d) All the above

17. The issue of “Destruction of Olive Ridley Turtle nesting site” was highlighted in –

- a) Navi Mumbai International Airport b) Gopalpur Steel plant & port, Orissa
c) Hydro electric project, Orissa d) Bangalore- Mangalore pipeline Karnataka.

18. Raster map in GIS is/are-

- a) Toposheet b) Satellite Image c) Areal map d) All of the above

19. The application of GIS is for-

- a) Sending team to disaster site. b) Decision making
c) Map mapping d) None of these

20. The sequence in GIS is

- a) Digitizing, Scanning, Georeferencing. b) Scanning, Digitizing, Georeferencing
c) Scanning, Georeferencing, Digitizing d) Georeferencing, Scanning, Digitizing
