

Roll No. :

Total No. of Questions : 16]

[Total No. of Printed Pages : 3

SEM-3010

M.Sc. (IIIrd Semester) Examination, 2022

ENVIRONMENTAL SCIENCE

Paper - ESCC-302

(Environmental Impact Assessment-I)

Time : 3 Hours]

[Maximum Marks : 40

The question paper contains three Sections.

Section-A

(Marks : 1 × 10 = 10)

Note :- Answer all *ten* questions (Answer limit **50** words). Each question carries **1** mark.

Section-B

(Marks : 3 × 5 = 15)

Note :- Answer any *five* questions by selecting at least *one* question from each Unit (Answer limit **200** words). Each question carries **3** marks.

Section-C

(Marks : 5 × 3 = 15)

Note :- Answer any *three* questions by selecting *one* question from each Unit (Answer limit **500** words). Each question carries **5** marks.

Section-A

1. Attempt all questions :

(i) Define EIA.

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SEM-3010 P.T.O.

- (ii) What is Environmental Audit ?
- (iii) What does CBA stands for ?
- (iv) Write the names of any *two* river valley projects of India.
- (v) What is EMP ?
- (vi) What are *two* merits and demerits of Ad-hoc method of EIA ?
- (vii) Write any *two* benefits of environmental audit.
- (viii) What are *two* demerits of thermal power plants ?
- (ix) Define Sustainable Development.
- (x) What is Rural Planning ?

Section-B

Unit-I

- 2. Draw a flowchart of EIA process in India.
- 3. Write a note on Environmental Impact Statement.
- 4. Describe checklist method of EIA.

Unit-II

- 5. What is Environmental Planning ? Write a note on it.
- 6. Give brief account on Cost Benefits Analysis.
- 7. How baseline information plays key role in impact analysis ? Discuss.

Unit-III

- 8. Give a brief account on environmental appraisal with particular reference to the mining project.
- 9. How hydroelectric power plants affects the environment ? Write short note on it.
- 10. Write a note on environmental appraisal for nuclear power plant in India.

Section–C

Unit–I

11. Describe various methodologies of EIA with their merits and demerits in detail.
12. Compare the draft EIA notification 2020 with the EIA notification 2006. How is the new notification may increase the environmental diagradaation ? Discuss.

Unit–II

13. What is Landuse policy for India ? Give detailed account on urban planning for India.
14. Explain the guideline principles of environmental audit. What are the functions, benefits and costs of environmental audit ?

Unit–III

15. Define Thermal Power. Give detailed account on environmental appraisal with reference to thermal power projects.
16. What do you mean by hydroelectric power ? Explain the various impacts of river valley projects on the environment. Give detailed account on merits and demerits of river valley projects.