

Roll No. : .....

Total No. of Questions : 16 ]

[ Total No. of Printed Pages : 3

# SENV-311

M.Sc. (IIIrd Semester) Examination, 2021

ENVIRONMENTAL SCIENCE

Paper - ESCC-302

(Environmental Impact Assessment-I)

Time : 1½ Hours ]

[ Maximum Marks : 40

**Note** :- 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 each

1. Attempt all questions.

(i) What does EMS stand for ?

(ii) What is EIS ?

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- (iii) What do you understand by LCA ?
- (iv) What is Environmental Auditing ?
- (v) What are Environmental Attributes in EIA ?
- (vi) What does SDGs stand for ?
- (vii) Write the land use pattern of India.
- (viii) Write the names of various NPP in India.
- (ix) What is TOR in EIA process ?
- (x) What are *two* basic components of Environmental Auditing ?

**Section–B**

3 each

**Unit–I**

- 2. Discuss the various components in EIA process.
- 3. What changes have been made so far in EIA notification 2020 ?
- 4. Describe BEES methodology in detail.

**Unit–II**

- 5. Discuss the various stages of Environmental Audit in India.
- 6. Discuss the benefits/merits of Environmental Audit.
- 7. What is Baseline information in Impact-analysis ? Give brief account.

**Unit–III**

- 8. What is Baseline background radiations study in Nuclear Power Plants ?
- 9. What are the salient features of H.E. project for the impact analysis ?
- 10. What do you understand by Environmental Appraisal ? Give the suitable example.

**Section-C**

5 each

**Unit-I**

11. Give a detailed account on the various methodologies of EIA.
12. Discuss the general process and procedure pertaining to EIA in India with latest updates.

**Unit-II**

13. How the impact prediction in EIA undertaken by using matrixes ?
14. What do you understand by carrying capacity in consonance of sustainable development ?

**Unit-III**

15. How the mining became sustainable ? Predict the various impacts by using EIA as tool ?
16. Discuss the difference amongst CEIA, SEIA and REIA in detail.