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2807M089

Candidate's Seat No : _____

B.Sc. Sem.-6 Examination

CC - 307

Environmental Science

July 2021

[Max. Marks : 50

Time : 2-00 Hours]

- Both Sections are Compulsory.

Section: I

Answer Any Three:

1. (A) What is ISO 7001? How it helps an organization follow practices committed to environmental protection? 7
(B) Discuss preparation and importance of checklist in EIA. 7
2. (A) How and why environmental clearance to huge project is sought? 7
(B) Summarize method and give specimen for SIA report. 7
3. (A) Describe objectives and steps for performing environmental audit. 7
(B) Give sample environmental audit report. 7
4. (A) Discuss scope and significance audit for disposal of waste. 7
(B) List types of audit and describe any one in detail. 7
5. (A) Discuss Impact Assessment on air quality and methodology for its study. 7
(B) Describe types and importance of energy impact analysis study. 7
6. (A) Describe topics of EIA report describing its content. 7
(B) Explain impact of project types on water quality studied in EIA. 7
7. (A) Explain social impact assessment with any suitable case study. 7
(B) Discuss impact analysis affecting vegetation and wildlife. 7
8. (A) Discuss impact on new project on socio-economic status of the affected people giving suitable example. 7
(B) Write importance of SIA analysis on public service and facilities. 7

Section: II

9. Answer in short: (Any eight) 8
 - a. Differentiate between EIA and SIA.
 - b. Write full-form of ISO.
 - c. Name two sectors wherein a project requires prior SIA and evaluations.
 - d. List four phases of Social Impact Assessment.
 - e. SIA Checklist is prepared as a part of impact prediction step in the Scoping stage of EIA. (True/False)
 - f. How NEPA is related to EIA?
 - g. What is basic agenda of mitigation plan?
 - h. Name two sources of noise pollution.
 - i. Name two industries causing air pollution.

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- j. What is Energy Inventory?
 - k. What is the effect of very high AQIA?
 - l. Name two projects causing impact on wildlife.
 - m. Which authority issues environmental clearance certificate?
 - n. Reports on outcome of EIA studies can make?
 - (a) Design modified
 - (b) Suggest monitoring impacts
 - (c) Justify a proposal
 - (d) All of these
 - o. Name any three groups of people invited in Public Consultation in Participation part of EIA.
 - p. What is 'Scoping' in EIA study?
 - q. List three topics listed in environmental audit report.
 - r. When is Hazardous Audit performed?
 - s. List three tools for techniques used in performing environmental audit.
 - t. Which pollutants are included in Pollution Audit?
 - u. Which of the following is benefit of environmental audit?
 - (a) Mitigation of risk
 - (b) Operation in efficiencies reduced
 - (c) Better compliance with law
 - (d) All of these
 - v. Which is not a broad type of Environmental Audit?
 - (a) Financial
 - (b) Performance
 - (c) Compliance
 - (d) Product quality
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