

**2021/TDC/CBCS/ODD/
EESSEC-501T/400**

**TDC (CBCS) Odd Semester Exam., 2021
held in March, 2022**

**ECOLOGY AND ENVIRONMENTAL SCIENCE
(5th Semester)**

Course No. : EESSEC-501T

(Environmental Impact and Risk Assessment)

Full Marks : 50
Pass Marks : 20

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

SECTION—A

Answer any *fifteen* of the following questions :

1×15=15

1. Define environmental impact assessment (EIA).
2. What is the purpose of EIA?
3. What is the role of Planning Commission in EIA?

(2)

4. Write about origin of EIA in India.
5. Define project developers.
6. What do you mean by terms of reference?
7. Define project consultants.
8. Write about baseline data collection.
9. What is social impact assessment?
10. Define life cycle assessment.
11. What is ISO?
12. Define rapid EIA.
13. Name one thermal project in India.
14. Name one hydropower project in India.
15. Define EIA regulations.
16. Mention one use of thermal project.
17. Define risk assessment.
18. What is hazard identification?

(3)

19. Define toxicity assessment.
20. Write about hazard assessment.

SECTION—B

Answer any *five* of the following questions : 2×5=10

21. State briefly the methods of EIA.
22. Point out the basic concepts of EIA.
23. Write about impact identification.
24. Give a short account of impact prediction.
25. Write a note on environmental appraisal.
26. Point out the problems of environmental management.
27. Write about current issues in EIA.
28. Give a short account of status of EIA in India.
29. Write a note on exposure assessment.
30. Briefly explain risk communication.

SECTION—C

Answer any *five* of the following questions : 5×5=25

- 31.** Describe rationale of EIA in detail.
- 32.** Discuss historical development of EIA.
- 33.** Give a detailed account of Environmental Management Plan (EMP).
- 34.** Write a note on Environmental Impact Statement (EIS).
- 35.** Give an illustrated account of cost benefit analysis.
- 36.** Give a detailed account of sustainable development.
- 37.** Write a note on status of EIA in India.
- 38.** Give an account of hydropower projects in detail.
- 39.** Write a note on environmental monitoring.
- 40.** Give an illustrated account of project planning.

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**2021/TDC/CBCS/ODD/
EESDSE-501T/398**

**TDC (CBCS) Odd Semester Exam., 2021
held in March, 2022**

ECOLOGY AND ENVIRONMENTAL SCIENCE

(5th Semester)

Course No. : EESDSE-501T

(Ecology and Environment)

Full Marks : 50

Pass Marks : 20

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

SECTION—A

Answer any *fifteen* from the following : 1×15=15

1. Name few future technologies for energy capture.
2. What is renewable resource?
3. Give two examples of non-renewable resources.

(2)

4. What do you mean by conservation of energy?
5. What do you mean by global energy demand?
6. What do you mean by energy subsidy?
7. Mention two major energy sources used in agriculture.
8. Define environmental cost.
9. What is fossil fuel?
10. Give two examples of greenhouse gases.
11. What is global warming?
12. What do you mean by urban heat island effect?
13. What is Chernobyl nuclear accident?
14. Mention two environmental impacts due to nuclear accidents.
15. Define environmental pollution.

(3)

16. Mention two impacts of over-consumption of non-renewable energy sources in our environment.
17. What is biofuel?
18. What do you mean by energy efficiency?
19. Mention two uses of wind energy.
20. Mention two uses of geothermal energy.

SECTION—B

Answer any *five* from the following : 2×5=10

21. What is the difference between greenhouse effect and global warming?
22. What is the importance of energy subsidy?
23. Mention two advantages of biomass energy.
24. What are the advantages of using hydro-power energy?

(4)

25. Mention the role of solar energy in sustainable development.
26. Mention two advantages of using geothermal energy.
27. How can ocean energy be used for various developmental activities?
28. How is nuclear energy produced?
29. Why is requirement of energy more in urban settings?
30. Mention two strategies to reduce over-consumption of energy.

SECTION—C

Answer any *five* from the following : $5 \times 5 = 25$

31. Describe briefly the present-day energy scenario of urban India.
32. Describe briefly the energy demand in industrial sectors of India.

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(5)

33. Mention briefly the various advantages and disadvantages of energy subsidy.
34. Mention the various disadvantages of burning fossil fuel.
35. What are the various reasons for urban heat island and how such problems may be managed?
36. Describe briefly the probable advantages and disadvantages of construction of dams.
37. Describe briefly the impact of energy over-consumption on the environment.
38. Mention briefly the various strategies for conservation of energy for sustainable development.
39. Describe briefly the social inequalities related to energy use.
40. Describe the various strategies for combatting global warming.

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