

Register No.: ..... Name: .....

**SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)**

(AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, THIRUVANANTHAPURAM)

**SEVENTH SEMESTER B.TECH DEGREE EXAMINATION (R), DECEMBER 2023****(2020 SCHEME)****Course Code : 20CET413****Course Name: Environmental Impact Assessment****Max. Marks : 100****Duration: 3 Hours****PART A*****(Answer all questions. Each question carries 3 marks)***

1. List any six water quality standards with acceptable limits.
2. Define Environmental impact assessment.
3. Enumerate the benefits of public consultation in environmental clearance process.
4. Differentiate Regional EIA and Sectoral EIA.
5. Explain how to predict the impact of a highway project on air quality.
6. Explain the network method of impact assessment.
7. Discuss the benefits of environmental auditing.
8. Explain the role of environmental monitoring program.
9. Enlist major impacts caused by a quarry mining project.
10. Identify any six impacts of a solid waste management project.

**PART B*****(Answer one full question from each module, each question carries 14 marks)*****MODULE I**

11. a) Explain the evolution of EIA in Global scenario. (8)  
b) The Environment (Protection) Act, 1986 is called an umbrella legislation. Substantiate the statement. (6)

**OR**

12. a) Explain salient features of EIA notification 2006. (8)  
b) Explain Water (Prevention and Control of Pollution) Act 1974. (6)

**MODULE II**

13. a) Explain the structure of EIA report. (10)  
b) Explain Initial Environmental Examination. (4)

**OR**

14. a) Discuss the significance of screening in EIA. (4)  
b) Describe the procedure for obtaining environmental clearance according to EIA notification 2006. (10)

**MODULE III**

15. a) Explain the steps involved in assessment of impacts on the noise environment. (7)  
b) List various EIA methodologies and explain any two methodologies with its advantages and disadvantages. (7)

**OR**

16. a) Explain the steps to assess the impacts of a project on the ecological environment. (7)  
b) Demonstrate the procedure for assessment of impacts on water. (7)

**MODULE IV**

17. a) Explain the purpose of an environment management plan. (4)  
b) Discuss features of ISO 14001 standard and the stages in implementation of ISO 14001. (10)

**OR**

18. a) Enumerate different types of environmental audit and explain any three types. (7)  
b) Explain the procedure for conducting an environmental audit. (7)

**MODULE V**

19. Describe the environmental impact assessment of a hydroelectric project. (14)

**OR**

20. Demonstrate the procedure for assessing the impact of an airport project. (14)

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