

# B.M.S. College of Engineering, Bengaluru-560019

Autonomous Institute Affiliated to VTU

## September / October 2023 Supplementary Examinations

**Programme: B.E.**

**Branch: Civil Engineering**

**Course Code: 21CV8PEEIA**

**Course: Environmental Impact Assessment**

**Semester: VIII**

**Duration: 3 hrs.**

**Max Marks: 100**

**Date: 12.09.2023**

**Instructions:** 1. Answer any FIVE full questions, choosing one full question from each unit.  
2. Missing data, if any, may be suitably assumed.

### UNIT - I

- 1 a) Define Environmental Impact Assessment. Explain the necessity of EIA. **06**
- b) Draw the flow diagram to relate EIA, EIS and FONSI. **06**
- c) Define EIS and list any four advantages of EIA. **04**
- d) Explain base line information required for EIA process. **04**

### UNIT - II

- 2 a) What are the objectives of EIA? **06**
- b) Explain the step by step procedure for conducting EIA **08**
- c) Explain limitations of EIA. **06**

### UNIT - III

- 3 a) Explain briefly the contents of EIA report. **10**
- b) List the different types of EIA methodologies. Explain two of them with advantages and disadvantages **10**

### UNIT - IV

- 4 a) Write a note on environment attributes **05**
- b) Explain the basic steps in prediction and assessment of impacts on surface water environment **10**
- c) Differentiate between rapid EIA and comprehensive EIA **05**

### OR

- 5 a) Explain briefly the procedure for assessment of impacts on noise environment **10**
- b) List the different techniques utilized for public participation in preparing EIA and mention the most traditional technique. **05**
- c) Write the Objectives of public involvement in different stages of EIA process. **05**

**Important Note:** Completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. Revealing of identification, appeal to evaluator will be treated as malpractice.

**UNIT - V**

- 6    a)    Explain the various Environmental impacts of the Highway and road development projects?    **10**
- b)    Explain the environment impacts of a mining project.    **10**

**OR**

- 7    a)    Explain the various activities involved in a coal based thermal power plant? Mention the stakeholders and Environmental impacts of thermal power plants.    **10**
- b)    Explain the various Environmental Impacts and risks involved in Nuclear power plants.    **10**

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SUPPLEMENTARY EXAMS 2023