

Roll No. 

Total No. of Pages : 02

Total No. of Questions : 18

**B.Tech. (Civil Engineering) (Sem.-7)  
ENVIRONMENTAL IMPACT ASSESSMENT**

Subject Code : BTCE-814

M.Code : 71873

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

**SECTION-A**

Answer briefly :

1. What are the objectives of Environmental Impact Assessment (EIA)?
2. Distinguish between "Rapid EIA" and "Comprehensive EIA".
3. What are the impacts of construction activities on air environment?
4. What are the benefits of Post Environmental Audit?
5. Explain four adverse impacts associated with operational phase of Railway projects.
6. How do EIA contribute to sustainable development?
7. What are the generic impacts of projects on flora and fauna?
8. List the essential components of an Environmental Management Plan?
9. What do you understand by NEPA?
10. Distinguish the difference between "Prediction" and Assessment in EIA.

### SECTION-B

11. What are the different types of EIA? How are they different?
12. Briefly explain the various types of Socio-economic impacts.
13. What are the significant environmental issues to be considered while planning to develop a New Township?
14. What are the impacts of developmental activity on vegetation?
15. Write the methodology for the assessment of soil characteristics in the study area.

### SECTION-C

16. Compare different EIA methods to clearly bring out the applicability of each element of EIA.
17. Explain the role of public participation in EIA and write a short note on overlay and matrix method of impact assessment.
18. Explain the evolution and development of national environmental policy act (NEPA). Discuss its key features.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**