

Code No: R164101H

R16

Set No. 1

IV B.Tech I Semester Supplementary Examinations, July/Aug - 2021
ENVIRONMENTAL IMPACT ASSESSMENT AND MANAGEMENT
(Civil Engineering)

Time: 3 hours

Max. Marks: 70

Question paper consists of Part-A and Part-B

Answer ALL sub questions from Part-A

Answer any FOUR questions from Part-B

PART-A (14 Marks)

1. a) What is environmental impact statement? [3]
- b) Write a note on overlay method of EIA. [3]
- c) How remote sensing application helps in soil and ground water contamination identification? [2]
- d) What is mitigation in EIA? Write its objectives. [2]
- e) Write the environmental risk factors on human health. [2]
- f) What is the importance of post audit activity? Write a note. [2]

PART-B (4x14 = 56 Marks)

2. a) What is the purpose of environmental baseline study? Discuss how biological environment is important in the development of new project. [7]
- b) Discuss the various parameters that are considered in physical environment. [7]
3. a) Discuss in detail the network method of EIA and write its merits and demerits. [7]
- b) Discuss the objectives and importance of cost benefit analysis in EIA. [7]
4. a) Explain assessment of contaminated soil. Discuss the minimum information which is must to include in the logs. [7]
- b) Discuss how you identify the location of drilling for contaminated soil sampling. [7]
5. a) Write the link between the EIA process and the mitigation of adverse impacts. Broadly discuss what mitigation seeks to achieve. [7]
- b) Elaborate the framework by which mitigation measures can be systematically identified and summarise the different actions that are involved. [7]
6. a) How did deforestation start? Discuss in detail the major causes of deforestation. [7]
- b) Explain the various steps that are there in the environmental risk assessment process. [7]
7. a) What is environmental legislation? Discuss in detail the approaches of environmental protection. [7]
- b) Discuss about evaluation of audit data and preparation of audit data. [7]