

JK Lakshmipat University Jaipur
INSTITUTE OF ENGINEERING AND TECHNOLOGY

Theory Exam-III, Dec 2021

M.Tech HSE Semester III

Roll No.....

CE2205 Environmental Impact Assessment

Time: 2.0 hours

Max. Marks: 30

Instructions to students:

1. Do not write anything other than your roll number on question paper.
 2. Assume suitable data wherever required and mention it clearly.
 3. Writing appropriate units, nomenclature, and drawing neat sketches/schematics/ flow chart wherever, required are an integral part of the answer.
 4. Marks of each question are indicated.
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Q.1 Which types of project usually requires an EIA? (Select all that apply):

(1.0 mark)

- a. Small housing building
- b. Dams and reservoirs
- c. Industrial plants (large scale)
- d. Community garden development
- e. Irrigation, drainage, and flood control (large scale)
- f. Mining and mineral development (including oil and gas)
- g. Port and harbors development
- h. Development of wells in the community
- i. Reclamation, resettlement, and new land development.
- j. Thermal and hydropower development
- k. Outdoor recreation

Q.2 EIA is usually required for a development project when (select all that apply):

(1.0 mark)

- a. Large changes are expected in the environment
- b. Limited impacts are expected in the environment
- c. A small area is expected to be affected by the project
- d. There are potentials for transboundary impact
- e. Many people are likely to be affected by the project
- f. No cumulative impacts are expected
- g. There are protected areas in the project area of influence

Q.3 Draw the generalized EIA process flow chart in detail.

(2 marks)

Q.4 Environmental Impact Assessment (EIA) is a tool used to identify the environmental, social, and economic impacts of a project prior to decision-making. Is the EIA beneficial? Examine the flaws in EIA process. **(03 Marks)**

Q.6 Identify and discuss the possible consequences of not carrying out a baseline study for a cement project. **(03 Marks)**

Q.5 A large dam is proposed in a rural setting. What public involvement techniques might be used to support the EIA for the project? **(03 Marks)**

Q.6 Elaborate the framework by which mitigation measures can be systematically identified and summarize the different actions that are involved. **(04 Marks)**

Q.7 SEA can apply to a wide range of proposed actions at the policy, plan, and programme level. What types of strategic issues and impacts are associated with development proposals locally? How could these benefit from the application of SEA? **(05 Marks)**

Q.8 The Ministry of Environment, Forest, and Climate Change (MoEF&CC) has published the draft Environment Impact Assessment (EIA) Notification 2020, with the intention of replacing the existing EIA Notification, 2006 under the Environment (Protection) Act, 1986. Based on the fact answer the following questions: **(08 Marks)**

- a. Will environment regulation be weakened?
- b. How does the draft EIA Notification differ from the one now in force?
- c. How would the new rules enable post-facto approval of violations?
- d. How does the draft notification compare with global norms?