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Halki Swapara,
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B.Tech. 7th Semester End-Term Examination

Civil Engineering

ENVIRONMENTAL IMPACT ASSESSMENT

New Regulation (w.e.f. 2017-18) &

New Syllabus (w.e.f. 2018-19)

Full Marks – 70

Time – Three hours

The figures in the margin indicate full marks for the questions.

Answer Question No. 1 and any *four* from the rest.

1. Fill in the blanks : (10 × 1 = 10)
- (i) The birth of EIA is dated back to the _____.
 - (ii) The USA had brought its first National Environment Policy Act (NEPA) in the year _____.
 - (iii) There are _____ steps involved in an environmental impact assessment process.
 - (iv) One of the advantages of EIA is _____.
 - (v) The Kyoto Protocol was based on the principle of _____.
 - (vi) The EIA report of a hydropower project is valid upto _____ years after getting environmental clearance of the project.
 - (vii) The Air Pollution Act was enacted in _____.
 - (viii) An example of a primary air pollutant is _____.
 - (ix) _____ is the first country in the world to make environmental audits mandatory.
 - (x) The National Environmental Policy Act (NEPA), 1970 enacted in the United States is referred to as _____ of federal environmental laws.

[Turn over

2. (a) Define Environmental Impact Assessment. (2)
- (b) Objectives of Environmental Impact Assessment. (4)
- (c) Discuss in brief the significance of screening, scoping and baseline studies in EIA. (9)
3. (a) Define sustainable development. (2)
- (b) Mention the significance of those specific goals of sustainable development which are directly related to the environment. (4)
- (c) Mention the factors to be considered in assessing the significance of impact of any project activity. (3)
- (d) List out the basic parameters necessary for assessing the impact of an industrial plant on the ambient air, soil and water. (6)
4. (a) What is meant by 'environmental audit'? (3)
- (b) Briefly describe the various types of environmental audits. (6)
- (c) Name six objectives of environmental audits. (6)
5. (a) Define environmental management system. (2)
- (b) What do you understand by ISO 14001 Environmental Management? (5)
- (c) Explain the significance of ISO14001 in safeguarding the standards of an environmental management system (EMS). (8)
6. Answer any *three* of the following : (3 × 5 = 15)
 - (a) Name five National Environmental Policies formulated by Govt. of India.
 - (b) Briefly describe the National Environmental Policy 2006 and the key environmental challenges.
 - (c) Objectives of the National Environmental Policy 2006.
 - (d) Kyoto Protocol.
 - (e) Paris Agreement (2015).
7. Write short notes on any *three* of the following : (3 × 5 = 15)
 - (a) Significance of COP26
 - (b) Carbon neutrality
 - (c) Strategic environmental assessment
 - (d) Overlay method in EIA
 - (e) Environment Protection Act, 1986
 - (f) Green belt development.

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