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SARDAR PATEL UNIVERSITY
M.Sc. (EST) (Third Semester) Examination
Tuesday, 25 October, 2016
Time: 2:00 pm to 5:00 pm

PS03CEST02: Environmental Impact Assessment & Legislation

Max. Marks: 70
[08]

Q.1. Multiple Choice Questions (Choose Correct Answer)

- (1) The common core of social and economic components of EIA is
 (a) Bearable (b) Viable (c) Equitable (d) None
- (2) In EIA, final public participation is must during
 (a) Screening (b) Scoping (c) Review (d) None
- (3) Small-scale activities require
 (a) IAA (b) SEA (c) EIA (d) EIS
- (4) FIFRA was enacted in
 (a) 2008 (b) 2007 (c) 2006 (d) 2005
- (5) In EIA, air quality data should be collected within _____ km radius.
 (a) 5 (b) 10 (c) 15 (d) 20
- (6) EIA Method is
 (a) Decision Making Tool (b) Decision Making Instrument
 (c) Decision Making Device (d) Decision Making Process
- (7) EIA Process is
 (a) Objective Analysis Method (b) Objective Analysis Tool
 (c) Objective Analysis Procedure (d) Objective Analysis Programme
- (8) *Ad-hoc* method is
 (a) Temporary (b) Permanent (c) Short-term (d) Long-term

Q.2. Attempt followings (Any Seven).

[14]

- (1) Areas to be avoided while siting industries
- (2) Enlist and Explain: Laboratory studies in water EIA
- (3) Enlist the essential components required during EIA of sugar factory
- (4) Enlist the organizations referring EIA
- (5) Enlist: Ecological indicators water-related EIA projects
- (6) Expand the Terms: CAA, CWA, PPA, NEPA
- (7) Facets of EIA (Venn Diagram)
- (8) Flowchart of generalized EIA process
- (9) Specific regulations covered in EHS audit

Q.3. (a) Write a note on DMI and OAT with suitable examples. Add a note on INA.

[06]

- (b) Explain the Phase-I of EIA in detail including its flowchart.

[06]

OR

- (b) Considering the case study of an airport development, describe its impacts on natural environment with appropriate examples.

[06]

Q.4. (a) Describe in detail about biological settings, cultural scenario, and socio-economic aspects in context of prediction of changes during EIA.

[06]

- (b) Briefly describe the purposes, benefits, and vision of green belt development.

[06]

OR

- (b) Describe the full EIA study in detail.

[06]

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Q.5. (a) Describe in detail about prediction of changes in air, water, soil, and noise quality during EIA. [06]

(b) Enlist with Examples: ESA [06]

OR

(b) Describe the environmental waste auditing in detail. [06]

Q.6. (a) What changes can EIA bring? Explain in detail with on-ground examples. [06]

(b) What is EMP? Describe the siting criteria for liquid components, air pollutants, and solid wastes in detail. [06]

OR

(b) Write a note on transportation impacts with suitable examples.

— X — (2) — X —