

M.Tech. Environmental Biotechnology 2nd Semester Examination, 2018

Environmental Impact Assessment and Law

Time: Three hours

Full marks: 100

Part I (Total marks: 30)

Question No 6 is compulsory and answer any *three* questions from the rest

1. What are the aims and objectives of the EIA? Why EIA is important for improvement of environmental quality? Explain. 8
2. What are key elements of EIA process? Discuss the steps in EIA practice and its outcome.
or
Discuss the relationship of EIA with sustainable development in context of India. 8
3. What are the necessary steps involved in environmental clearance in India? Discuss.
or
What is public hearing? Discuss the process and its significance in Environmental clearance process. 8
4. What is Environmental Impact Mitigation? Discuss broad outline for Environment Management Plan as a part of Environmental Impact mitigation options. 8
5. Discuss the important indicators of environmental baseline monitoring practice.
or
Discuss a case study of model EIA process and clearance procedures as adopted in India today. 8
6. Multiple answer questions: 1X6

i) Environmental Impact assessment was incorporated under which legislation?

- a) The air (Prevention and Pollution) Act, 1981
- b) The wildlife (Protection) Act, 1972
- c) The Forest (Conservation) Act, 1980
- d) The Environment (Protection) Act, 1986

ii) Environmental Impact Assessment is necessary because –

- p) To assess that whether any proposed development is good or bad?
- q) To formulate the management strategies for possible detrimental impact of developmental project

- r) To support the growing interest of eco-sustainability of an area, where new developmental project is proposed
- s) To assess whether the proposed project is planned for greater interest of public

Chose the correct choice:

a) p, q (b) p, q, r (c) q, r, s (d) p, q, r, s

iii) Match the list I and List II

List I (Stages of EIA)

- 1) Screening
- 2) Scoping
- 3) Baseline information and data description
- 4) Mitigation measure

List II (Activities of EIA)

- A. Reduce or avoid the impacts
- B. Monitoring and status evolution of present state of environment
- C. Safely indication of crucial impact
- D. Evaluation of need for EIA

Choose the correct answer:

| | 1) | 2) | 3) | 4) |
|----|----|----|----|----|
| a) | D | C | B | A |
| b) | A | B | C | D |
| c) | C | A | B | D |
| d) | B | C | A | D |

- iv) The best practice of scoping requires-
 - a) A site visit
 - b) Assessment of previous experiences on similar projects
 - c) Employing formal scoping techniques
 - d) Literature survey
- v) The decision making process in EIA generally is done after –
 - a) Cost-benefit analysis
 - b) Formal environmental clearance
 - c) Social political consideration
 - d) procedural information and operational management
- vi) Which EIA tool identifies action effect impact relationship?
 - a) Flow diagram
 - b) Matrix
 - c) Checklist
 - d) SWOT

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Part II (Total marks: 70)**1. Answer any *seven* questions:****2X7=14**

- a) What are the indicators of mal-development?
- b) Write any four impacts of displacement on tribal and women.
- c) Why green revolution is not considered as evergreen revolution?
- d) What are the major factors of economic growth of a developing country?
- e) Distinguish between development and mal-development?
- f) Mention any four names of exempted and green categories industry in India.
- g) What do you understand by quasi-law?
- h) Mention the name of Act/Acts for formation of CPCB in India.
- i) Briefly write any noise related Court case in India.

2. Answer any *five* questions.**10X5=10**

- a) Briefly discuss the impact of displacement on developing countries like India. Briefly discuss the environmental consequences of development. **6+4**
- b) Mention the alternative approach of development. Briefly discuss the core values of development. What do you understand by normative view of development? **3+ 5 +2**
- c) What do you understand by economic sustainability? State any two features of sensible sustainability. What is CSD? Mention any CSD in brief. **2+2+6**
- d) What are the backgrounds of developing regulations on Eco-mark in India? State criteria mentioned for food items and cosmetics products to safe user. What are the criteria of Eco-mark and Eco-leveling schemes of India? **2+6+2**
- e) What do you understand by 'Locus-standi'. Briefly describe PIL and state different case studies in India. **3 +7**
- f) Briefly describe the role of Section 24 under EPA, 1986. Why 'EPA, 1986' is considered as an umbrella act in India? Mention any four notification and rules under this act. State any one major court case using this Act. **2 + 2+2+4**
- g) Briefly describe the role of State Pollution Control Board to control environmental quality of India. What were the outcomes of Water Act, 1974? **7+3**
- h) What do you understand by fly ash? Briefly mention its character. What are the regulations of using fly ash in India? **1+ 3+6**

3. Write *any one* short note on the following.**6**

- a) Before and post independent water related laws of India (b) Management of infectious hospital waste in India (c) Salient features of Air Act, 1981