

Env. & Sc & Tech
SESSION - May 2021

Maximum Marks: 100

Instructions:

No books are allowed. Only bare acts are allowed.

Section A is Compulsory. Attempt any seven questions from Section B.

Section-A (30 Marks)

Answer All Questions

[3X10=30 Marks]

Question I(Compulsory)

Write short notes on the following:

- i. State Level Environment Impact Assessment Authority (SEIAA).
- ii. Ramsar Convention on Wet Lands.
- iii. Biological Oxygen Demand (BOD) and Chemical Oxygen Demand (COD).
- iv. Principle of Common but differentiated responsibilities.
- v. Green India Mission.
- vi. Bio piracy.
- vii. Comprehensive Environmental Pollution Index (CEPI) and Critically polluted areas (CPA's).
- viii. Absolute Liability Principle of Environmental Conservation.
- ix. Corporate CSR.
- x. Composite Water Management Index (CWMI).

Section-B (70 Marks)

Answer any seven questions.

[7X10=70 Marks]

Question II

- a) Discuss the usefulness and limitations of Section 33A of the Water (prevention & Control of Pollution) Act 1974. Mention briefly the procedure followed by the appellate authority in dealing with and disposal of the appeal under Water (prevention & Control of Pollution) Act 1974. 5
- b) Solid wastes are of different kinds according to their disposal and management. Explain the impact of solid waste management on environment. 5

Question III

- a) Mention briefly the penalties of non-payment of Cess according to the Research and Development Cess Act, 1986. 5

- b) Discuss the role of State Pollution Control Boards in effective implementation of the provisions of Bio-Medical Waste Management Rules, 2016.

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Question IV

- a) Explain the main objectives of the Public Liabilities Insurance Act, 1991. Give your arguments about the effectiveness of the Act in fulfilling its objective?

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- b) Write a short note on the Noise Pollution (*Regulation and Control*) Rules 2000 with specific mention of silence zones.

5

Question V

- a) Describe briefly the objectives and principles of National Environmental Policy 2006.

5

- b) What is Environmental Economics? How does Environmental Economics help in reducing exploitation of natural resources?

5

Question VI

- a) Explain the procedure for registration of producer, recyclers and manufacturer under Plastic Waste Management Rules, 2016.

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- b) Explain the Responsibilities of State Government for environmentally sound management of E-waste under E-Waste (Management) Rules, 2016. Explain the concept of Extended Producer Responsibility (EPR).

5

Question VII

- a) 'Environment (Protection) Act, 1986 is known as an umbrella legislation but it is nothing more than improved version of Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981. 'Comment on this statement in the light of the significant provisions of the Environment (Protection) Act, 1986.

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- b) Explain briefly the provisions of Forest Conservation Act 1980. Comment as to what extent this Act has been effective in preserving the Forests of India.

5

Question VIII

- a) Write a short note on the objectives of the Biodiversity Act 2002 with specific reference to BMC's. To what extent has Himachal Pradesh been successful in effective implementation of this Act?

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- b) Discuss briefly the provisions of National Forest Policy 1988 with specific reference to Joint Forest Management (JFM) and protection of environment.

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Question IX

- a) Define Hazardous Waste. Write a short note on the aims and provisions of Basel Convention on Hazardous Waste.

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- b) Explain the Polluters Pay Principle and the Precautionary Principle of Environmental Protection. Cite one example each where these principles have been invoked by the Hon'ble Apex Court of India in its judgments.

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Question X

- a) What are category A and category B projects for the purpose of EC? Describe briefly the procedure to be followed for conduct of a Public Hearing in the Environmental Clearance process.

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- b) Air pollution is a major challenge for India in the 21st Century. Elaborate this statement citing the names along with the latest PM 10 and RSPM data for a few (5) most air polluted cities of India.

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Question XI

- a) Name the various National Missions prescribed in the National action Plan on Climate Change. Briefly describe the objectives and details of any two of them.

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- b) Describe briefly the National Biotechnology Development Strategy 2015-2020. Write a short note on Biotechnology Policy of Himachal Pradesh.

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Question XII

- a) Identify the provisions of the Indian Constitution that are of relevance to environmental protection.

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- b) Explain briefly the provisions and aims of HP Non-Biodegradable Garbage (Control) Act 1995.

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