

Reg. No.

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B. E / B. TECH.DEGREE EXAMINATIONS, MAY 2024

Sixth Semester

OE18302 –INDUSTRIAL POLLUTION PREVENTION*(Common to all branches except Chemical Engineering)***(Regulation 2018A)****TIME:3 HOURS****MAX. MARKS: 100**

- CO1** Impart knowledge on basic environmental laws and relevant sections of the code of civil procedures.
- CO2** Discuss the fundamentals Rights-Directive principles of state policy-Article.
- CO3** Follow regulations for pollution abatement and waste minimization.
- CO4** Adapt recent legislation for water and air pollution.
- CO5** Perceive the skill on the Management and handling of Hazardous and Biomedical wastes.

PART- A (10x2=20Marks)

(Answer all Questions)

	CO	RBT LEVEL
1. Identify the diseases occur due to industrial pollution.	1	2
2. Outline the effect of population on environment and energy.	1	3
3. State any three salient features of Rio Declaration on Environment and Development, in1992.	2	3
4. Memorize the noise pollution level and its harmful effect.	2	2
5. Suggest a method to determine BOD in waste water.	3	3
6. Distinguish between “Ambient Air Quality Standards” and “Emission Standards”.	3	1
7. Specify the hazards occur in electroplating industry.	4	2
8. Mention any four prime merits of effluent treatment plants.	4	3
9. Predict the purpose of source of reduction.	5	2
10. Indicate the various parameters to be taken in a disposal yard.	5	1

PART- B (5x 14=70Marks)

	Marks	CO	RBT LEVEL
11. (a) (i) Enumerate the absolute liabilities of the industries in the protection of environment.	(8)	1	2
(ii) Damaging environment impacts economic development. Write your opinion.	(6)	1	2

(OR)

- (b) Elaborate briefly the contribution of Public Interest Litigation in the development of environmental Jurisprudence in India **(14)** 1 2

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| 12. (a) | Right to life under Article 21 includes all that goes along with it. Discuss the different facets of right to health under along with Judicial Pronouncements. | (14) | 2 | 4 |
| (OR) | | | | |
| (b) | State the interrelationship between Fundamental duties and directive principles of state policies with respect to protection of environment in India. | (14) | 2 | 4 |
| 13. (a) | Discuss the origin and development of precautionary principle in Indian Legal System. | (14) | 3 | 2 |
| (OR) | | | | |
| (b) | Elaborate the various remedies and features evolved by the court time to time under the common law to protect our environment | (14) | 3 | 2 |
| 14. (a) | Illustrate linkage between Section 21 and Section 33 of The Water (Prevention and Control of Pollution) Act, 1974. | (14) | 4 | 2 |
| (OR) | | | | |
| (b) | Elucidate the powers of the Central Government to protect and improve the environment under the Environment Protection Act, 1986? | (14) | 4 | 2 |
| 15. (a) | (i) Analyze the legal aspects of solid waste disposal and various environmental risk. | (7) | 5 | 3 |
| | (ii) Explain in detail about the disposal of biomedical waste and discuss its merits and demerits. | (7) | 5 | 3 |
| (OR) | | | | |
| (b) | (i) Annotate the various techniques used for disposal of hazardous waste. | (9) | 5 | 3 |
| | (ii) Discuss classification of Waste Minimization Techniques. | (5) | 5 | 3 |

PART- C (1x 10=10Marks)

(Q.No.16 is compulsory)

- | | Marks | CO | RBT
LEVEL |
|---|-------------|----------|--------------|
| 16. “Right to know is critical in environmental matters for greater public participation,” Discuss the statement in the light of Article 19(1)(a) of the Constitution of India and various environmental statutes. | (10) | 3 | 4 |
