



SAI RAM INSTITUTE OF TECHNOLOGY

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CONTINUOUS ASSESSMENT TEST – 2
Department of Humanities and Sciences

Subject: Environmental Science & Engineering
Year / Semester: II/ IV
Date / Session : 27.04.2021/ FN
Max Marks: 50

Subject Code: GE8291
Branch : IT& ECE
Time Duration: 1 Hr30 Mins

Answer All Questions

PART – A (5 x2=10 Marks)

1. When does a sound cause noise pollution? (CO2)(K3)
2. Define Disaster. (CO3)(K3)
3. Mention any two environmental effects of the thermal pollution. (CO2)(K3)
4. What is deforestation? (CO4)(K2)
5. Differentiate renewable and non renewable energy resources. (CO4)(K2)

PART B (2 x 13 = 26 Marks)

6. (a) (i) Describe the causes, effects and control measures of noise pollution (7)(CO2)(K3)
(ii) Explain the causes and effects of nuclear and radioactive pollution. (6)
(CO2)(K3)

(or)

6. (b) (i) What are the causes, effects and control measures of thermal pollution.(7)(CO2) (K3)
(ii) How does a cyclone occur? Explain the effects and mitigation steps taken.(6)(CO3)
(K3)
7. (a) (i) What is deforestation? Explain the causes and effects of deforestation .
(7)(CO4)(K2)

(6)(CO4)(K2) (Or)

7. (b) Discuss the various techniques for harnessing Solar Energy. (13)(CO4)(K2)

PART C (1 x 14 = 14 Marks)

8. (a) With the help of flow chart explain the methods of separation of components of solid waste management. (14)(CO2)(K3)

(Or)

(b) Explain the adverse environmental impacts of modern agriculture. (14)(CO4)(K2)

COURSE OUTCOMES

CO 1	Able to understand the relationship between the environment and human activities to maintain the ecological balance.(K2)
CO 2	Acquire skills for scientific problem solving related to air, water, noise, marine & land pollution.(K3)
CO 3	Identify societal issues and implement suitable scientific, technological solutions to eradicate.(K3)
CO 4	Disseminate the need for the renewable energy resources and its application to meet the modern requirements.(K2)
CO 5	Aware of environmental Protection Acts to achieve the Sustainable Development Goals.(K2)
CO 6	Recognize the need for population control measures and the environmental based value education concepts for attaining an eco friendly environment.(K1)

Prepared by:

Ms M SUGANYA (COURSE CO ORDINATOR)

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