

Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Fifth Semester B.Tech Degree (S,FE) Examination January 2022 (2015 Scheme)

Course Code: CE371**Course Name: ENVIRONMENT AND POLLUTION**

Max. Marks: 100

Duration: 3 Hours

PART A*Answer any two full questions, each carries 15 marks.*

Marks

- 1 a) Explain carbon cycle with a neat sketch. (5)
- b) Differentiate ecology and environment? (5)
- c) What are the difference between population and community? (5)
- 2 a) How would you relate air pollution and climate change? (5)
- b) What are CFC's ? What is its environmental significance? (5)
- c) Give the National Ambient Air Quality Standard for Carbon Monoxide (CO), sulphur di oxide(SO₂) (5)
- 3 a) Establish the interrelationship between the various types of pollution with a suitable example. (10)
- b) Explain the characteristics and bio chemical effects of Carbon monoxide in the environment. (5)

PART B*Answer any two full questions, each carries 15 marks.*

- 4 a) Explain how we can control the salinity during irrigation and flood? (10)
- b) List the drinking water quality standards for *following*: (a) pH (b) Turbidity (c) Chloride(d) Iron (e) Total Hardness (5)
- 5 a) Explain the importance of material recovery in the management of solid waste with suitable example (10)
- b) Differentiate incineration and pyrolysis. Why incineration is considered to be an unsound practice for solid waste management? (5)
- 6 a) Explain the causes and Environmental significance of thermal pollution (10)
- b) Explain the salient features of Cauvery water dispute. (5)

PART C

Answer any two full questions, each carries 20 marks.

- 7 a) Explain overgrazing? And how it affects the ecological sustenance? (10)
b) How modern agricultural practices influence the stability of the land ecosystem? (10)
- 8 a) Explain hearing loss? How is it measured? Differentiate between threshold pain and threshold of hearing. What is the aim of NISS(National Initiative for Safe Sound)? (10)
b) What are the different levels of sound? How is it measured? (10)
- 9 a) Explain the different ways in which an individual can prevent the environmental pollution? (10)
b) Give the sources and importance of radioactive pollution. (10)
