

--	--	--	--	--	--	--	--	--	--

M. TECH
(ENVIRONMENTAL ENGINEERING)
(I SEM) EARTH AND ENVIRONMENT, 2015-16

Time: 3 Hr.

Max. Marks: 100

Note: Attempt all questions.

Q1. Attempt any **TWO** parts of the following:

- a) What is Assimilative Capacity of Environment? Discuss the assimilative capacity of Air, Water and Land.
- b) Describe Atmosphere and its composition. Discuss about different components of the Biosphere.
- c) What is the importance of clean Environment? Discuss importance of clean Air, Water and Soil/Land.

Q2. Attempt any **TWO** parts of the following:

- a) What is Biodiversity and conservation of Biodiversity? Discuss various strategies to conserve Biodiversity.
- b) What is meant by the conservation of Environment? Discuss energy, water, soil and mineral resource conservation.
- c) Discuss about the impacts of industrial and economic development on Environment and the measures to reduce their adverse impact on environment.

Q3. Attempt any **TWO** parts of the following:

- a) What are the types, causes and effect of Land Pollution? Discuss the sources and impact of Radioactive Pollution.
- b) Discuss about the causes and impact of Deforestation. Also discuss the environmental impact of Mining.
- c) Describe Green House Effect and Global Warming. Also discuss the cause and effect of depletion of Ozone.

Q4. Attempt any **TWO** parts of the following:

- a) What is meant by Biodiversity? Discuss the various levels of Biodiversity and different strategies of Biodiversity conservation.
- b) What are the different forms of plastic waste? Discuss the effect of plastic waste on land and human.
- c) What is meant by the sustainability of Environment? Critique the concept of sustainable development from the perspective of developing countries like India and China.

Q5. Attempt any **FOUR** parts of the following:

- a) Discuss about the Biomes with suitable examples
- b) Describe about Biotic and Abiotic factors of Ecosystem
- c) Differentiate between Autotrophs and Heterotrophs with examples
- d) Discuss about thermal pollution and its effect Discuss about the Ecological Pyramid
- e) e-Waste and its management