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Total Number of Pages : 01

**B.Arch
AR452**

**4th Semester Back Examination 2017-18
ENVIRONMENTAL STUDIES**

BRANCH : B.Arch

Time : 3 Hours

Max Marks : 70

Q.CODE : C990

Answer Question No.1 which is compulsory and any five from the rest.

The figures in the right hand margin indicate marks.

Answer all parts of a question at a place.

- Q1 Answer the following questions : (2 x 10)**
- a) What is sustainable development?
 - b) Name two types of ecosystem.
 - c) Differentiate between a grazing food chain and a detritus food chain.
 - d) Define air pollution.
 - e) What are NO_x gasses?
 - f) What is greenhouse effect?
 - g) Write two basic provisions in air pollution control act.
 - h) Define hardness of water.
 - i) What is biosphere?
 - j) Name two forms of solid waste.
- Q2 a) Discuss about the direct and indirect benefits derived from forests. (5)**
b) What are the effects of deforestation? (5)
- Q3 a) Define environment, ecology and ecosystem. Discuss about the component of ecosystem. (5)**
b) Define a food chain. Give a brief account of different type of food chain with a neat sketch. Discuss about food web. (5)
- Q4 a) What do you mean by air pollution? Name the causes/sources of air pollution. Classify the sources of air pollution. (5)**
b) Discuss about the sources and classification of solid wastes. (5)
- Q5 a) Briefly discuss about global warming. How is greenhouse effect related to it? (5)**
b) Give an idea about the cause and effect of acid rain. (5)
- Q6 a) Give an account of aquatic ecosystem. (5)**
b) Discuss about human impact on environment and pollution. (5)
- Q7 Discuss in details about water conservation and control of pollution act. (10)**
- Q8 Write short answer on any TWO : (5 x 2)**
- a) Sustainable development
 - b) Social issues and the environment
 - c) Ozone layer depletion.
 - d) Management of environment.