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Total Number of Pages : 01

M.Sc.I
FPYF506

5th Semester Back Examination 2017-18

Environmental Science

BRANCH : M.Sc.I (AP)

Time : 3 Hour

Max Marks : 70

Q.CODE : B644

Question No.1 which is compulsory and any five from the rest.
The figures in the right hand margin indicate marks.

- Q1** **Answer the following questions :** **(2 x 10)**
- a) What are the chemicals used as disinfectants? Give some examples.
 - b) Enlist any two Indian environmental laws with their year of inception.
 - c) Define BOD. How BOD and COD are related for Waste water?
 - d) What are three R's for solid waste management?
 - e) What is the unit of sound level?
 - f) What are the chemicals used for coagulation?
 - g) List some Hazardous household solid waste?
 - h) Define photochemical smog. What are the components of it?
 - i) What is environmental impact assessment?
 - j) Define the various steps to control noise pollution.
- Q2** a) What are different types of trophic levels in nature? What do you mean by Heterotrophs? **(4+2)**
 b) What is ecological succession? Explain. **(4)**
- Q3** a) Draw the hydrological cycle & explain it. **(5)**
 b) Draw and explain the various types of dispersion diagram for air pollutants under ambient condition. **(5)**
- Q4** a) Draw a flow sheet of generation of municipal solid waste and their final disposal and explain it. **(7)**
 b) What do you mean by electrostatic precipitators? **(3)**
- Q5** a) What is the Activated Sludge process for waste water? Explain it with flow sheet. **(7)**
 b) What are Incinerators? Where they are used? **(3)**
- Q6** a) What are the three different steps of anaerobic digestion? **(5)**
 b) What are acidogenesis and Hydrolysis? **(5)**
- Q7** a) What are primary and secondary pollutants of air? Give some examples. **(5)**
 b) What are the basic steps of solid waste management? Explain with examples. **(5)**
- Q8** **Write short notes (Any TWO)** **(5X2)**
- a) Environmental Auditing.
 - b) EIS.
 - c) Green House Gases
 - d) Global warming.