

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -3 EXAMINATION- May 2017

M.Tech 4th Semester

COURSE CODE: 16M31CE412

MAX. MARKS:35

COURSE NAME: Environmental Audit

COURSE CREDITS: 03

MAX. TIME: 2 Hrs

Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.

1. Mention the different phases of environmental audit. What are the objectives of conducting an on-site audit survey? What are the different objectives of energy management? (5)
2. What are the different types of cement available in the market? Mention the raw materials used in the manufacturing of cement? With the help of a line diagram explain the manufacturing of cement using dry process. (5)
3. What are the various sources of generation of wastewater in a typical dairy industry? Explain the wastewater treatment process of a dairy industry with a flow chart. (5)
4. What are the objectives of conducting an environmental audit? Discuss some of the recognized benefits of environmental audit in India. (5)
5. What are the various hazardous wastes generated in a chlor-alkali plant? What are the functions of following units in typical wastewater plant: (a) Centrifuge (b) Acid-dosing tank (c) Clariflocculator (5)
6. How energy audit is conducted? Enumerate different types of energy audit. (5)
7. Discuss the relationship between environmental audit and sustainable development. What are the measures taken for green belt development within a cement plant? (5)