

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATION- 2016

M.Tech IV Semester

COURSE CODE: 16M31CE412

MAX. MARKS: 25

COURSE NAME: ENVIRONMENTAL AUDIT

COURSE CREDITS: 03

MAX. TIME: 1.5 Hr

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

- Q1.a) What are the ingredients required for fluid paint manufacturing? What process equipments are used in a paint industry? Give a brief description about Ball Mill and its functioning in paint industry. [03 Marks]
- b) Discuss about the heat treatment given during milk processing in a dairy industry. [02 Marks]
- Q2.a) What are the different types of cement available in the market? Mention the raw materials used in the manufacturing of cement. [2.5 Marks]
- b) With the help of a line diagram, explain the manufacturing of cement using dry process. [2.5 Marks]
- Q3.a) What are the key processes in the manufacturing of spirits? Discuss the role of mashing in the preparation of whiskey. [2.5 Marks]
- b) Explain the process of carbonatation in sugar refining. [2.5 Marks]
- Q4.a) Give a broad classification of the fertilizers and mention the common names of the fertilizers under each classification. [02 Marks]
- b) With the help of a neat flow diagram, explain the manufacturing of Urea. Also write the reactions involved. [03 Marks]
- Q5.a) What are the basic feedstocks in a petrochemical industry? Mention some of the products manufactured in a petrochemical industry. [02 Marks]
- b) Define "Cracking" with respect to petrochemical manufacturing? What are the processes by which cracking is done? Explain any one of them. [03 Marks]