

D. Poornam

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATIONS-2022

B.Tech-VI Semester (Open Elective)

COURSE CODE: 18B1WBT636

MAX. MARKS: 25

COURSE NAME: Industrial Chemistry

COURSE CREDITS: 3

MAX. TIME: 1 Hour 30 Min

*Note: All questions are compulsory. Marks are indicated against each question in square brackets.*

- Q1(a). What is the role of Chemical Industries in improving quality of life? 2 [COI]  
(b). Discuss the functions of pigments in paints. 2 [COIII]  
Q2(a). Mention the weakness of Indian Chemical Industries. 2 [COI]  
(b). Describe various types of feedstock for ethanol production. 2 [COII]  
Q3(a). Discuss the Liquid Nitrogen Production. 2 [COII]  
(b). Why cathodic coatings are better as compared to anodic coatings? 2 [COIII]  
Q4(a). Elucidate the various factors which affect the solvent extraction processes. 3 [COII]  
(b). Elaborate Tinning process with the help of diagram. 2 [COIII]  
Q5. Differentiate between 8 [CO I, II, III, IV]  
(a). Enamel and Emulsion paints  
(b). Fertilizers and Biofertilizers  
(c). Fractional Distillation and Steam Distillation  
(d) Elastomers and Fibers