

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
TEST -2 EXAMINATION, OCTOBER 2018

Ph.D. (Biotechnology) 1st Semester

Dr Ashok Kumar.

Course Code: 18M1WBT131

MAX. MARKS: 25

Course Name: Industrial Enzyme Technology

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. Marks are indicated in square brackets against each question

Q 1 What are bio-protective enzymes? Give two examples. (3) COIII

Q 2 What is bio-affinity based immobilization? Explain with the help of examples (3) COIV

Q 3 Give two examples of enzymes used in dairy products manufacturing and their reaction products. (4) COIV

Q 4 Which enzyme can be used for fruit juice clarification? Give the example of microorganism which produces fruit processing enzymes (5) COV

Q 5 What are the major disadvantages of enzymes in food processing? Explain with example. (5) COIV

Q 6 Discuss the role of following enzymes in the industry. (5) COIII

(i) Lipase,

(ii) Transglutaminase

(iii) Xylanase

(iv) Glucose isomerase

(v) β -amylase
