

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2025

B.Tech-VI Semester (BT)

COURSE CODE (CREDITS): 20B1WBT631 (03)

MAX. MARKS: 15

COURSE NAME: Manufacturing Process and Industrial Products

COURSE INSTRUCTORS: Dr. Garlapati Vijay Kumar

MAX. TIME: 1 Hour

Note: (a) All questions are compulsory.

(b) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems

Q.No	Question	CO	Marks
Q1	Differentiate the cultivation characteristics vary with the "microbial cells", "Plant cells" and "Mammalian cells"? Mention any two bioprocess products obtained from each type of cultivation?	I	3
Q2	Describe in detail about the different characteristics in microbes to be considered to be "the microbe of choice" in Bioprocess Eng /Industrial Biotechnology?	I	3
Q3	Summarize the implications and therapeutic enzyme use in case of "Fabry's Disease", "Gaucher's Disease"? Write about the therapeutic applications of "Serratiopeptidase", "Hyaluronidase" and "Nattokinase"?	II	5
Q4	Distinguish the mechanism of action of "L-glutaminase" differ with the "L-asparaginase" in cancer treatment? Summarize the assay techniques and commercially available trade names of "L-Glutaminase and L-Asparaginase"?	II	4