

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- FEB-2023

COURSE CODE(CREDITS): 20B1WBT631

MAX. MARKS: 15

COURSE NAME: Manufacturing Process and Industrial Products

COURSE INSTRUCTORS: Dr. Udayabanu

MAX. TIME: 1 Hour

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

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1. With a neat sketch of a bioreactor explain the utilized different standard design parameters with the values. [3 Marks] (CO II)
2. How the bioreactors differ for cultivation of hairy root cultures and stem cells, explain briefly with a neat diagram? [3 Marks] (CO II)
3. Streptokinase and Urokinase are used as thrombolytic drugs. Briefly explain their function and mechanism of action. [3 Marks] (CO I)
4. Differentiate between enzyme as a drug and other drugs. Microbes are the preferred choice of enzyme sources. Explain. [3 Marks] (CO I)
5. Lysosomal storage diseases are a group of genetic diseases passed down in the family. Write a note on any two common LSDs. [3Marks] (CO I)