

Dr. Garlapati Vijay Kumar

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- Sept 2018

B.Tech (Biotech), VII Semester

COURSE CODE: 15M11BT431

MAX. MARKS:15

COURSE NAME: Traditional Bioprocesses & their upscaling

COURSE CREDITS: 03

MAX. TIME: One Hr

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

1. How design criteria will change from bulk product to pharmaceutical product? (2 M)
2. What are the three activities under antibody characterization and write the aim of each activity? (2 M)
3. What are the distinguished advantages of disposable bioreactors over conventional one's? Give any two names of Disposable bioreactors used in antibody production? (3 M)
4. With a neat flow chart, summarize the typical Mab recovery process by mentioning purpose of each step? (4 M)
5. Classify the protein-A resins based on their resin backbone composition with product trade names? Mention the sources for Protein -L and Protein-D used in DSP of Mab's? (4 M)

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