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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY WAKNAGHAT

Test-2 2019

Semester : 4th Sem B.Tech Biotechnology

COURSE : Cell Culture Technology

MAX.MARKS:25

COURSE CODE: 10B11BT412

TIME:1hr 30 min

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- Q1. Comment on different biosafety levels and explain the design and application of biosafety cabinets used in animal cell and tissue culture technology.(5) (CO1)
- Q2. What do you understand by continuous animal cell culture? How will you transform primary or secondary culture to the continuous culture? Explain(5) CO2
- Q3. What do you understand by triploid plants ? How you can produce these plants and what are the benefits of such plant types for the masses?(5) (CO3)
- Q4.For the production of pathogen free plant which technique is very successfully employed. Explain the complete protocol for the production of virus free orchids . (5) CO4
- Q5.Draw the diagram and explain the working of bioreactor which would be used for the large scale cell suspension system. Explain by citing case study. (5) CO3