

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY WAKNAGHAT

TEST -2 EXAMINATION- MARCH 2026

M.Tech BT -2nd Sem

COURSE CODE(CREDITS): 14M11BT214(2)

MAX. MARKS: 25

COURSE NAME: Bioentrepreneurship & Management

COURSE INSTRUCTORS: Dr Hemant Sood

MAX. TIME: 1Hr 30 Min

Note: a) All questions are compulsory.

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

	Question	Marks
Q1	Analyze the framework needed to convert a laboratory-scale biotechnology innovation into a commercially viable product. Evaluate the challenges faced in implementing a bioentrepreneurship framework in developing countries and suggest possible solutions.	2.5+2.5
Q2	Given a case of a novel biotech product like anti-ageing orchid extract based cream, outline the step-by-step bioentrepreneurial strategy required for its successful commercialization with the inclusion of intellectual property rights (IPR) and innovation in this venture.	2.5+2.5
Q3.	"Government schemes play a crucial role in startup success." Justify this statement with reference to at least three Indian entrepreneurship schemes. Critically examine the challenges in accessing government schemes for entrepreneurship in India and suggest improvements.	2.5+2.5
Q4.	Discuss the major challenges faced by entrepreneurs, including financial constraints, market competition, regulatory hurdles, and technological barriers. Explain the operational, managerial, and socio-cultural challenges encountered during the growth phase of a startup.	2.5+2.5
Q5.	Explain the developmental stages of Technology Readiness Levels. Which level is most critical according to you and why?	3.5+1.5