

**M.Sc Sem-3 Examination****504****Biotechnology (EC-Bio Bus)****Time : 2-30 Hours]****November-2024****[Max. Marks : 70**

<b>Q-1</b>	Discuss various avenues or sectors open for BT entrepreneurship? <b>OR</b>	14
<b>Q-1</b>	A What are entrepreneurial traits? B Highlight the need for funds for entrepreneurship.	07 07
<b>Q-2</b>	Discuss the types of Intellectual Property Rights (IPR) in detail. <b>OR</b>	14
<b>Q-2</b>	A Describe the exclusions of patentability under the Patent Act, 1970. B Discuss diamond Vs Chakrabarty case study in detail.	07 07
<b>Q-3</b>	Describe structural and functional configurations of Public Health Laboratories in India. <b>OR</b>	14
<b>Q-3</b>	A What is bioethics? Write on four principles of bioethics. B What is Quality Control? Note down the basic principle and requirements of QC.	07 07
<b>Q-4</b>	Describe Biosafety level laboratories and biosecurity concepts in detail. <b>OR</b>	14
<b>Q-4</b>	A Explain biosafety guidelines in India. B Give detailed note on phases involved in clinical trial.	07 07
<b>Q-5</b>	Write the answer in brief (any seven) 1 What is proof-of-concept? 2 Enlist different sectors of biotech for bio-businesses. 3 What are probable funding sources for any startup? 4 Define - geographical indications with suitable example 5 What are the objectives of TRIPS? 6 What is Patent Infringement? 7 Define 'Good Laboratory Practice'. 8 What is ISO 9001: 2015? 9 Name any two media with their control organisms for the quality control. 10 What is biohazard? 11 Enlist two names of BSL-4 laboratories 12 Enlist softwares used for drug designing.	14