



Sixth Semester B.E./B.Tech. Degree Examination, Dec.2024/Jan.2025
Biobusiness Management and Entrepreneurship

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. What are the components of SWOT analysis for the Indian Biobusiness Sector? (10 Marks)
- b. Discuss about stages in Entrepreneurial development process. (10 Marks)

OR

- 2 a. Define Small Scale Industries and give objectives, characteristics, scope of SSI. (10 Marks)
- b. Write in detail about Market, Technical and Financial Feasibility study in Biobusiness. (10 Marks)

Module-2

- 3 a. Give an account on business opportunity, scope and challenges in Agribiotechnology. (10 Marks)
- b. Elaborate on Polyhouse culture. Value added herbal products with examples in Agriculture biotechnology business. (10 Marks)

OR

- 4 a. Extrapolate on Bioethanol production using Agriwaste. (10 Marks)
- b. Discuss in detail on Biosensor's development in Agrimanagement. (10 Marks)

Module-3

- 5 a. Write brief Explanations on :
 i) Bioremediation for Industrial contaminants. (10 Marks)
 ii) Biopesticide production. (10 Marks)
- b. Explain the biobusiness opportunities in the production of Probiotics and Prebiotics. (10 Marks)

OR

- 6 a. Explain Biobusiness opportunities in single cell protein and Secondary metabolite production. (10 Marks)
- b. Elaborate on the process of contract research in microbial genomics. (10 Marks)

Module-4

- 7 a. Give an account on Operational Biotech parks in India. (10 Marks)
- b. Write about Indian Company Act for Biobusiness schemes and subsidies. (10 Marks)

OR

- 8 a. Evaluate the significance of Project Identification, selection and report in Biobusiness initiative. (10 Marks)
- b. Analyze the criteria in Entrepreneurship opportunity and patent expiry. (10 Marks)

Module-5

- 9 a. Outline and analyse the regulatory norms established by FSSAI. (10 Marks)
b. Examine and evaluate the ethical concerns of Biotechnology research and innovation. (10 Marks)

OR

- 10 a. Describe the role of FDA in regulating biotechnology products and industries. (10 Marks)
b. Give a detailed note on Cartagena Protocol on Biosafety. (10 Marks)

* * * * *