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Sixth Semester B.E. Degree Examination, June/July 2024 Biobusiness Management & Entrepreneurship

Time: 3 hrs.

Max. Marks: 100

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

Module-1

- 1 a. Discuss the SWOT analysis of Biobusiness Sector from Indian Context. (10 Marks)
- b. Explain the concept of Entrepreneurship. Briefly explain the characteristics of entrepreneur and stages in entrepreneurial process. (10 Marks)

OR

- 2 a. What are small scale industries? Give their characteristics. (10 Marks)
- b. Analyze the differences between market feasibility study and technical feasibility study. (10 Marks)

Module-2

- 3 a. Write a note on strategies needed to be adopted by successful Herbal drug start-ups. (10 Marks)
- b. Explain the essential requirements in setting up of Tissue culture laboratory. (10 Marks)

OR

- 4 a. What do you mean by polyhouse? How can its culture improve exports in fruits and vegetables? (10 Marks)
- b. Describe how bio-ethanol production using agriwaste can help in setting up bio-business. (10 Marks)

Module-3

- 5 a. Enumerate the challenges and scope of Integrated compost production. (10 Marks)
- b. What is single cell protein? Explain the need of SCP in bio-business. (10 Marks)

OR

- 6 a. Explain stem cells with a case study indicating the challenges faced during construction of stem cell based industry. (10 Marks)
- b. What is bioremediation? Explain how investing on Research with bioremediation of oil spills can generate start up opportunities. (10 Marks)

Module-4

- 7 a. How does biotech partners like BISEP, BIRAC and DBT create bio-business opportunities in India? (10 Marks)
- b. Discuss the various start up schemes introduced by Government of India. (10 Marks)

OR

- 8 a. What are the significances and methods in network analysis? (10 Marks)
- b. Summarize the need and significance of report writing and what are their essential requirements. (10 Marks)

Module-5

- 9 a. What does FDA stands for? What is the guidelines and regulate items under FDA. (10 Marks)
b. Discuss the regulatory norms proposed by AYUSH for Herbal drug preparations. (10 Marks)

OR

- 10 a. Write an important note on Cartagena protocol on biosafety. (10 Marks)
b. Enumerate the ethical issues of concern essentials to be considered in biotechnology research. (10 Marks)
