Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

18BT51

Fifth Semester B.E. Degree Examination, Jan./Feb. 2021 **Bio-business & Entrepreneurship**

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module. Module-1 Write a neat note on biobusiness from the Indian Context 1 (10 Marks) Explain the different stages in entrepreneurial process. (10 Marks) Write a neat note on market feasibility study, technical feasibility study, financial feasibility 2 study and market feasibility study. (10 Marks) Explain the role of entrepreneurs in economic development. b. (10 Marks) Module-2 3 Write a neat note on strategies need to be adopted by successful Herbal drug start-ups. (10 Marks) What are biosensors? Explain how bio sensors start ups can support agricultural b. management. (10 Marks) Write a neat note on how investing in bioethanol production from Agri waste can aid in economic status of the country. What is polyhouse? Explain how polyhouse culture could enhance exports in fruits and b. vegetable based materials. (10 Marks) Module-3 List out the essential requirements for biopestcide based start up / industry. Discuss with 5 case study. (10 Marks) b. Explain the marketing strategies need to be made by the Fermented food based start up/industry, discuss with case study. What are stem cells? Give an case study and explain challenges faced by stem cell based start up / Industry. b. What is bioremediation? Explain how investing on Research with bioremediation of oil spills can generate start up opportunities. (10 Marks) Module-4 Write a neat note on how biotechnology bodies such as BISEP, BIRAC and DBT supporting

to build more biobusiness opportunities in India. (10 Marks)

Write a neat note on guidelines by planning commission for project report.

(10 Marks)

OR

1 of 2

- 8 a. What are Intellectual Property Right? Explain how expired patents provide enterprenurship opportunities. (10 Marks)
 - b. Write a neat note on start up schemes by Indian government.

(10 Marks)

Module-5

- 9 a. What are the different schemes and proposals under AYUSH and FSSAI of India. (10 Marks)
 - b. Justify, whether ethicals concerns of biotechnology are the limitations for development of bio business in Indian context. (10 Marks)

OR

- 10 a. Write a note on need for public education of the process of biotechnology involved in generating new forms of life and its usage. (10 Marks)
 - b. Write a note on schemes and importance of FDA and DSIR in bringing biotechnology product to customer. (10 Marks)

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