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Question Paper Code:U9C76

B.E./B.Tech. DEGREE EXAMINATION, NOV 2025

Open Elective

Biotechnology

21UBT976-BIO ENTREPRENEURSHIP

(Common to All Engineering branches)

(Regulations 2021)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

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|--|----------|
| 1. What is an entrepreneur and entrepreneurship? | CO1 -U |
| 2. List out the types of entrepreneurial business. | CO1 -U |
| 3. What are the uses of problem identification? | CO1 -U |
| 4. List out the various sources of idea fields. | CO1 -U |
| 5. How do you calculate net sales? | CO3- App |
| 6. Write a short note on trade barrier-quota | CO1 -U |
| 7. What is IPR? Give example | CO3-App |
| 8. How is licensing different from branding? | CO3-App |
| 9. How do you get Government start-up funding? | CO3-App |
| 10. What is PM Modi Yojana for women? | CO1-U |

PART – B (5 x 16= 80 Marks)

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|--|---------|------|
| 11. (a) Explain in detail about exploring ideas and opportunities. | CO 1- U | (16) |
| Or | | |
| (b) Explain in detail about create an effective business plan and mistakes in business plan. | CO1 - U | (16) |

12. (a) The local chapter of Meals on Wheels operates in a mid-sized Indian city. It delivers hot meals daily to over 500 elderly and physically challenged individuals. Most of the recipients live alone, have dietary restrictions (e.g., diabetes, hypertension), and rely heavily on this service. Outline the start-up and growth, funding and challenges about the service Travelkhana CO2- App (16)
- Or
- (b) "You are planning to start a small business in your local area. Based on your understanding, identify and apply at least three sources from which business ideas can emerge. Also, explain how you would use the creative process to turn one of those ideas into a viable business concept." CO2- App (16)
13. (a) Analyze the reasons why certain businesses are considered uninsurable. Categorize these reasons based on risk types and justify why insurers may refuse coverage. CO4- Ana (16)
- Or
- (b) Examine the impact of unethical business practices on stakeholders such as consumers, employees, and investors. Why is it essential for businesses to adopt ethical practices? CO4-Ana (16)
14. (a) "Protecting the created intellectuality is a challenge now a day. Because of the cloning of one's idea is easier than the new creation" – How this statement is realistic in practicing business? CO3-App (16)
- Or
- (b) In 2011, Apple Inc. filed a case against Samsung Electronics Co. in the United States District Court for the Northern District of California for infringing their Designs and Utility Patents of the user interface like screen app grid and tap to zoom. As evidence, Apple Inc. submitted the side-by-side image comparison of the iPhone 3GS and the i9000 Galaxy S to demonstrate the alleged similarities in both models. However, later it was found that the images were 89 tempered by the Apple Company to match the dimensions and features of the controversial Designs. Interpret your understanding about the dispute and explain the verdict about the case in detail? CO3-App (16)

15. (a) Choose a biotechnology-based product or service. Explain how it is developed and applied in our everyday life. CO2-App (16)

Or

(b) Fermenting foods at home is relatively easy and safe. Provide a recipe for spicy pickled vegetables. CO2-App (16)

