Reg. No. \_\_\_\_\_\_\_\_\_\_\_\_\_



**End Semester Examination – Nov / Dec – 2019**

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| **Code :** | **18BM3024** | **Duration :** | **3hrs** |
| **Sub. Name :** | **BIOMEDICAL ENGINEERING ENTREPRENEURSHIP** | **Max. Marks :** | **100** |

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| **Q. No.** | **Sub Div.** | **Questions** | **Course Outcome** | **Marks** |
| **ANSWER ANY FIVE QUESTIONS (5 x 16 = 80 Marks)** | | | | |
| 1. | a. | Infer the advancements in biomedical field towards entrepreurship. | CO1 | 8 |
| b. | Discuss the role of professional societies in design of medical devices. | CO2 | 8 |
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| 2. | a. | Design the model of venture and present its merits. | CO1 | 8 |
| b. | Summarize the market survey on medical devices for societal need. | CO1 | 8 |
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| 3. | a. | Evaluate the fundamental structure of ISO:13485 standards. | CO2 | 10 |
| b. | Explain the merits of FDA and its regulations. | CO2 | 6 |
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| 4. | a. | Elaborate the roles and functions of the angel investors. | CO4 | 6 |
| b. | Detail the needs of funding for product design and production. | CO4 | 10 |
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| 5. | a. | Discuss the impact of globalization on manufacturing the medical product. | CO1 | 8 |
| b. | Construct the business model for medical devices. | CO1 | 8 |
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| 6. | a. | Explain the merits of certification of medical devices. | CO2 | 8 |
| b. | Elaborate on the environmental regulation on waste disposal. | CO4 | 8 |
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| 7. | a. | Identify the role of product development in healthcare. | CO3 | 10 |
| b. | Categorize funding agencies in healthcare field. | CO4 | 6 |
| **COMPULSORY QUESTION (1 x 20 = 20 Marks)** | | | | |
| 8. | a. | Interpret the impact of health hazards and remedies in the society. | CO3 | 10 |
| b. | Design a wearable device for health monitoring. | CO5 | 10 |