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

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

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| **Code :** | **18BM3021** | **Duration :** | **3hrs** |
| **Sub. Name :** | **MEDICAL ETHICS AND SAFETY** | **Max. Marks :** | **100** |

**ANSWER ANY FIVE QUESTIONS (5 x 16 = 80 Marks)**

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. |  | Define the term reliability with respect to medical devices. Discuss in detail about the different types of reliability and its effects on medical devices. | CO1 | 16 |
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| 2. | a. | Discuss in detail about the safe handling of medical devices and its usability. | CO2 | 8 |
| b. | Summarize about the environmental safety considerations to be taken into account respect to the medical devices. | CO2 | 8 |
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| 3. |  | Illustrate in detail about the safety mechanics and the electrical safety with a suitable example. | CO3 | 16 |
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| 4. |  | Summarize in detail about the good laboratory practice in using a medical device. | CO4 | 16 |
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| 5. |  | List the ethical issues in biomedical research and suggest your opinion in overcoming such issues in the future. | CO5 | 16 |
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| 6. | a. | What is your view with respect to “Scope of ethics in medicine” ? | CO6 | 8 |
| b. | Write short notes on American Medical Association code of ethics. | CO6 | 8 |
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| 7. | a. | Elabotare on the types of failures in medical devices. | CO1 | 8 |
| b. | Write a short note on failure assessment and documentation. | CO1 | 8 |
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| **COMPULSORY QUESTION (1 x 20 = 20 Marks)** | | | | |
| 8. | a. | Elaborate on the causes for Macroshock and Microshock and also discuss the methods to avoid the same. | CO3 | 10 |
|  | b. | Summarize the medical standards and regulations of a medical device. | CO4 | 10 |