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



**End Semester Examination – Nov/Dec – 2017**

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|  |  |  |  |
| **Code :** | **15BI2002** | **Duration :** | **3hrs** |
| **Sub. Name :** | **MEDICAL INFORMATICS** | **Max. marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. |  | Illustrate different parts of a Hospital Management and Information System. | CO1 | 20 |
| (OR) | | | | |
| 2. | a. | Explain how health informatics evolved into the present day. | CO1 | 10 |
| b. | Compare and discuss upon paper and electronic health records. | CO1 | 10 |
|  |  |  |  |  |
| 3. |  | Differentiate conventional and virtual endoscopy procedures. | CO1 | 20 |
| (OR) | | | | |
| 4. |  | Describe image guided surgery with robotics and its importance in modern medicine. | CO1 | 20 |
|  |  |  |  |  |
| 5. |  | Explain the need for data security and confidentiality in maintaining health records. | CO1 | 20 |
| (OR) | | | | |
| 6. |  | Define the role of the Internet and technology in Computer Assisted Patient Education. | CO2 | 20 |
|  |  |  |  |  |
| 7. |  | Explain how medical scans are essential diagnostic instruments in modern hospitals. | CO2 | 20 |
| (OR) | | | | |
| 8. |  | Describe the setup and use of telemedicine in rural India. | CO2 | 20 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. |  | Describe methods to create an expert system for diagnosis of diseases. | CO3 | 20 |

ALL THE BEST