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

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**End Semester Examination – Nov/Dec – 2018**

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| **Code :** | **14BI2032** | **Duration :** | **3hrs** |
| **Sub. Name :** | **HEALTH CARE INFORMATICS** | **Max. marks :** | **100** |

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

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. |  | Discuss the various modules of a Hospital Information System and describe the need for a HIS in a modern hospital. | CO1 | 20 |
| (OR) | | | | |
| 2. | a. | Elucidate the significance of securing patient data along with ethics that staff at a hospital should practice. | CO1 | 10 |
| b. | Define the benefits of electronic medical records by comparing them with conventional records. | CO1 | 10 |
|  |  |  |  |  |
| 3. |  | Discuss “Computer Assisted Patient Education and its effects on the rural population of India”. | CO1 | 20 |
| (OR) | | | | |
| 4. |  | Explain the evolution and role of robots in modern medical care with suitable examples. | CO1 | 20 |
|  |  |  |  |  |
| 5. |  | List and describe the types of medical equipment that are used in a multispecialty hospital. | CO2 | 20 |
| (OR) | | | | |
| 6. |  | Describe the merits and limitations of conventional endoscopy and virtual endoscopy. | CO2 | 20 |
|  |  |  |  |  |
| 7. |  | With an example, discuss how expert system algorithms are applied by doctors to diagnose diseases. | CO2 | 20 |
| (OR) | | | | |
| 8. | a. | List the requirements to set up a Telemedicine in a village. | CO3 | 10 |
| b. | Briefly discuss the changes that telemedicine can bring to rural India. | CO3 | 10 |
|  | |  |  |  |
|  | | **Compulsory:** |  |  |
| 9. |  | Describe the role of the Internet in the evolution of Health Care Informatics. | CO3 | 20 |