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



**UNIVERSITY**

(Karunya Institute of Technology & Sciences)

(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

**End Semester Examination – April/May– 2017**

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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. |  | Questions | Course  Outcome | Marks |
| 1. |  | Explain how health informatics evolved and its need in the present health care system. | CO1 | 20 |
| (OR) | | | | |
| 2. |  | Describe the needs, benefits, capabilities and the steps in the development of a Hospital management information system. | CO2 | 20 |
| 3. |  | Compared to conventional surgery how has Computer Assisted Patient Surgery helped patients? | CO3 | 20 |
| (OR) | | | | |
| 4. |  | Illustrate the flow process of personal health information and its relationship with confidentiality. | CO2 | 20 |
| 5. |  | Define telesurgery. Explain the developments and issues associated with telesurgery. | CO3 | 20 |
| (OR) | | | | |
| 6. |  | Write the characteristics of virtual endoscopy. Explain the methods, pros and cons of using virtual endoscopy. | CO2 | 20 |
| 7. |  | Explain how health care informatics influenced patient safety with respect to pharmacoinformatics. | CO2 | 20 |
| (OR) | | | | |
| 8. |  | Give details on the use of telemedicine and how it affects the lives of people living in rural parts of the world. | CO3 | 20 |
|  | | **Compulsory**: |  |  |
| 9. |  | Illustrate on the significance of maintaining medical records, their types and compare a paper based record to an electronic health record. | CO3 | 20 |