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 – Nov/Dec – 2016**

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|  |  | **Semester :** | **2016-17 ODD** |
| **Code :** | **14CS3078** | **Duration :** | **3hrs** |
| **Sub. Name :** | **Multimedia Communication** | **Max. marks :** | **100** |

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

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. |  | Elaborate on various multimedia data. Which are communicated through highspeed communication network? | CO1 | 20 |
| (OR) | | | | |
| 2. |  | Illustrate various network requirements for multimedia communication. | CO1 | 20 |
| 3. |  | Recall various applications which are offered as entertainment services through multimedia networks. | CO1 | 20 |
| (OR) | | | | |
| 4. |  | Illustrate various standards related to interpersonal multimedia communication. | CO1 | 20 |
| 5. | a. | Differentiate synchronous and asynchronous communication. | CO1 | 5 |
| b. | Elucidate various communication medium used for digital communication by highlighting each of its communicating perspective. | CO1 | 15 |
| (OR) | | | | |
| 6. |  | Sender ‘A’ transmits 8-bit block to through free space propagation method but it has received with error by Receiver ‘B’, Sender also sends check bit along with the data. Analyze the possibilities of detecting the error in the received code. | CO2 | 20 |
| 7. |  | Classify the following communication primitives along with its unique network structures. |  |  |
|  | a. | Satellite television network. | CO2 | 10 |
|  | b. | Traditional cable television network. | CO2 | 10 |
| (OR) | | | | |
| 8. |  | Elucidate the cell format switching architecture of broadband ATM networks. | CO2 | 20 |
|  | | **Compulsory:** |  |  |
| 9. |  | Illustrate various way in which Mobile networks supports in multimedia data communication. | CO2 | 20 |

ALL THE BEST