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



**UNIVERSITY**

(Karunya Institute of Technology & Sciences)

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

**Supplementary Examination – June – 2017**

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| **Code :** | **14EC2025** | **Duration :** | **3hrs** |
| **Sub. Name :** | **COMPUTER 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. |  | Draw the architecture of ISO/OSI model and explain the functions of each layer. | CO1 | 20 |
| (OR) | | | | |
| 2. | a. | Explain about the guided transmission media in computer communication. | CO1 | 10 |
| b. | Sketch neatly TCP/IP protocol suite and explain about each layers. | CO1 | 10 |
| 3. | a. | Discuss about the frame format and access method wireless LAN 802.11 | CO2 | 13 |
|  | b. | Write short note on MODEM. | CO2 | 7 |
| (OR) | | | | |
| 4. |  | With neat diagrams, explain sliding window flow control and error control mechanisms. | CO1 | 20 |
| 5. |  | Discuss on the different ATM layers and its header format in detail. | CO3 | 20 |
| (OR) | | | | |
| 6. | a. | Draw the Internet Protocol datagram (IPv6) format and explain each field. | CO3 | 14 |
|  | b. | Differentiate between IPv4 and IPv6. | CO2 | 6 |
| 7. | a. | Draw the structure of UDP header format and explain. | CO3 | 5 |
|  | b. | With an example,explain the principle of distance vector algorithm and obtain the routing table for any two routers. | CO3 | 15 |
| (OR) | | | | |
| 8. | a. | Write notes on SCTP. | CO3 | 5 |
|  | b. | Discuss on the different TCP services and TCP segment format in detail. | CO3 | 15 |
|  | | **Compulsory**: |  |  |
| 9. | a. | List the categories of congestion control and explain them in detail | CO3 | 10 |
|  | b. | Discuss the techniques to improve the quality of services in computer networks. | CO3 | 10 |

ALL THE BEST