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



**End Semester Examination – Nov/Dec – 2019**

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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. | a. | Interpret the OSI reference model and explain about the layer to layer data transfer  with reference to a transmitter and receiver with necessary diagrams. | CO1 | 20 |
| (OR) | | | | |
| 2. | a. | Reveal your perception about transmission media. Summarize about transmission media categories with necessary diagrams in detail. | CO1 | 20 |
|  |  |  |  |  |
| 3. | a. | Describe your perception about bit stuffing and explain the frame formats of HDLC in detail with necessary diagrams. | CO2 | 20 |
| (OR) | | | | |
| 4. | a. | Explain the protocol specifications, characteristics, frame formats and taxonomy of IEEE 802.3 with neat diagrams. | CO2 | 20 |
|  |  |  |  |  |
| 5. | a. | Infer on subnetting and IP addressing techniques in detail and discuss the various  classes and range of IP address with necessary diagrams. | CO3 | 20 |
| (OR) | | | | |
| 6. | a. | Explain your perception on routing. Explain about link state routing protocol with an example in detail with neat sketches. | CO3 | 20 |
|  |  |  |  |  |
| 7. | a. | Appraise on the TCP segment and UDP datagram and explain the respective frames in detail with neat diagrams. | CO1 | 20 |
| (OR) | | | | |
| 8. | a. | Describe your perception about SCTP. Explain its services, features and packet format with diagrams in detail. | CO2 | 20 |
|  |  |  |  |  |
|  | | **Compulsory:** |  |  |
| 9. | a. | Explain the concepts, protocols and techniques of world wide web and email in  detail.  with necessary sketches. | CO3 | 20 |