**18ECD12**

**Hall Ticket Number:**

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| **III/IV B.Tech(Regular) DEGREE EXAMINATION** | | | |
| **February, 2021** | **Electronics & Communication Engineering** | | |
| **Fifth Semester** | **Data Communication And Computer Networks** | | |
| **Time:** Three Hours | | **Maximum:**50 Marks | |
| *Answer ALL Questions from PART-A.* | | | (10X1 = 10 Marks) |
| *Answer* ***ANY FOUR*** *questions from PART-B.* | | | (4X10=40 Marks) |
| Part - A | | | |

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| 1. | Answer all questions | | | (10X1=10 Marks) | | | | | | |
|  | a) | | What are the service primitives? | | | CLO-1 | |  | | |
|  | b) | | What are the types of guided transmission media? | | | CLO-1 | |  | | |
|  | c) | | What is a Computer Network? | | | CLO-1 | |  | | |
|  | d) | | What are different types of Sliding Window Protocols? | | | CLO-2 | |  | | |
|  | e) | | What is hidden terminal problem? | | | CLO-2 | |  | | |
|  | f) | | What is Fast Ethernet? | | | CLO-2 | |  | | |
|  | g) | | Compare IPv4 and IPv6 | | | CLO-3 | |  | | |
|  | h) | | Write about Leaky Bucket Mechanism in Traffic Shaping. | | | CLO-3 | |  | | |
|  | i) | | What is the function of intracoded frame (I-frame)? | | | CLO-4 | |  | | |
|  | j) | | What is the function of H.323 | | | CLO-4 | |  | | |
|  | | **Part - B** | | | | | | | | |
| 2. | Describe about the TCP/IP reference model. | | | | | | CLO-1 | | | 10M | |
|  | |  | | | | | | | | |
| 3. | Explain in detail about types of wireless transmission. | | | | | | CLO-1 | | | 10M | |
|  | |  | | | | | | | | |
| 4. | Explain about different error detecting and correcting codes. | | | | CLO-2 | | | | 10M | |
|  | |  | | | | | | | | |
| 5. | Explain about Carrier Sense Multiple Access Protocols. | | | | CLO-2 | | | | 10M | |
|  | |  | | | | | | | | |
| 6. | Explain in detail about Bluetooth | | | | CLO-3 | | | | 10M | |
|  | |  | | | | | | | | |
| 7 | Explain in detail about Shortest Path Routing Algorithm. | | | | CLO-3 | | | | 10M | |
|  | |  | | | | | | | | |
| 8. | Write in detail about UDP with neat diagrams. | | | | CLO-4 | | | | 10M | |
|  | |  | | | | | | | | |
| 9. | Write in detail about Streaming Stored Audio/Video with neat diagrams. | | | | CLO-4 | | | | 10M | |

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