

Code No: MC1632/R16

MCA III Semester Regular/ Supplementary Examinations, November-2019

COMPUTER NETWORKS

Time: 3 Hours

Max. Marks: 60

*Answer Any FIVE Questions
All Questions Carry Equal Marks*

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| 1. a | Write and explain the design issues of data link layer. | 6M |
| b | Give brief description about the various types of ISDN. | 6M |
| 2. a | With the help of a neat sketch explain the go back n protocol. | 6M |
| b | Distinguish between pure ALOHA and slotted ALOHA. | 6M |
| 3. a | In what a selecting flooding differs from flooding. Explain. | 6M |
| b | What are the different approaches used to control the congestion. | 6M |
| 4. | With the help of a sketch and example explain the working of Dijkstra's algorithm. | 12M |
| 5. | Draw and explain the header format of a Real Time Transport Protocol. | 12M |
| 6. a | Draw the header format of a typical BLAST procedure call. | 6M |
| b | List the steps in TCP connection establishment. | 6M |
| 7. | With the help of suitable example explain the working mechanism of a typical Data Encryption Standard. | 12M |
| 8. | Why we are using SMTP protocol? Explain its working. | 12M |
