

M.C.M. (Part-II) Semester-III Examination
3 MCM 4
BUSINESS DATA COMMUNICATION-II

Time : Three Hours]

[Maximum Marks : 80

N.B.:— (1) Due credit will be given to neatness and adequate dimensions.

(2) Assume suitable data wherever necessary.

(3) Draw diagram wherever necessary.

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| 1. | (A) Explain the concept of TCP/IP layering in detail. | 8 |
| | (B) Explain IP header in detail with diagram. | 8 |

OR

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| 2. | (A) Explain the following terms : | |
| | (i) ARP | |
| | (ii) RARP | 10 |
| | (B) Write short note on CSMA/CD protocol. | 6 |
| 3. | (A) Explain ICMP Port Unreachable Error in detail. | 8 |
| | (B) What is Routing ? List out various contents of routing table. | 8 |

OR

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| 4. | (A) Explain ping program with LAN and WAN output example. | 8 |
| | (B) Explain RIP message format in detail. | 8 |
| 5. | (A) What is broadcasting ? Give the different form of broadcasting. | 8 |
| | (B) What is Domain Name System ? Explain in detail. | 8 |

OR

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| 6. | (A) Explain the five format of TFTP message. | 8 |
| | (B) Explain the architecture of IGMP protocol. | 8 |
| 7. | (A) Explain different features of TCP protocol. | 6 |
| | (B) Describe the concept of TCP bulk dataflow. | 4 |
| | (C) Explain the Boot Protocol. | 6 |

OR

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| 8. | (A) Explain the steps to establish connection, termination and reset with TCP. | 10 |
| | (B) Describe the interactive dataflow with TCP. | 6 |
| 9. | (A) What is TELNET ? Explain in detail. | 6 |
| | (B) Explain FTP and SMTP. | 10 |

OR

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| 10. | (A) Explain the Rlogin protocol. | 4 |
| | (B) Explain the Finger protocol | 4 |
| | (C) Explain MIB and structure of MIB in detail. | 8 |

