

M.E. Second Semester (Computer Engineering) (Full Time) (C.G.S.)
13129 : Network Systems Design : 2 KMEF 1

P. Pages : 2

Time : Three Hours



AW - 3687

Max. Marks : 80

- Notes :
1. Due credit will be given to neatness and adequate dimensions.
 2. Assume suitable data wherever necessary.
 3. Use of pen Blue/Black ink/refill only for writing the answer book.

1. a) What are the various user requirements? Explain. 7
- b) What are the performance characteristic services may include? Explain them. 7

OR

2. a) Explain the importance of Network analysis in understanding network and system complexity. 7
- b) Explain various service & system requirements. 7
3. a) Explain How to develop RMA Requirements. 6
- b) Explain in brief user behavior and application behavior. 7

OR

4. a) Why RBD constructed? Draw a sample RBD & explain. 7
- b) Explain End to End and Round trip delays. 6
5. a) What is flow Prioritization? Explain how flow can be prioritized? 6
- b) Explain security mechanism for security component architecture. 7

OR

6. a) What are flows? Explain Individual Flow, composite flow and critical flow. 6
- b) What is data source and data sink? Explain data source and data sink for data migration application. 7
7. a) Explain variable length subnetting with suitable example. 7
- b) How we can identify & classify routing boundaries? 7

OR

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| 8. | a) | Explain super netting with suitable example. | 7 |
| | b) | Explain how various addressing strategies are made and applied. | 7 |
| 9. | a) | What is network management mechanism? Explain monitoring for event notification. | 7 |
| | b) | Explain centralized, distributed and hierarchical management. | 6 |

OR

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| 10. | a) | Explain monitoring for event notification with suitable example. | 6 |
| | b) | Explain various recommendation for managing network management data. | 7 |
| 11. | a) | Explain in brief service level agreements. | 6 |
| | b) | What is logical diagram? Explain with suitable example. | 7 |

OR

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| 12. | a) | Explain in brief traffic management scheduling and queuing. | 7 |
| | b) | Explain network design traceability with suitable example. | 6 |
