

Computer Networks_Sem_2_Jan2019 Exam

P131/CMP506/EE/20190220

Time : 3 Hours

Marks : 80

Instructions :

1. All Questions are Compulsory.
2. Each Sub-question carry 5 marks.
3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
4. Question paper of 80 Marks, it will be converted in to your programme structure marks.

1. Solve any **four** sub-questions.
 - a) Define Computer Network. Explain the LAN, MAN, WAN. 5
 - b) List applications of Computer network? Explain in detail. 5
 - c) Explain the types of Server. 5
 - d) What is Star Topology? 5
 - e) List the Networking Devices. Explain any two. 5
2. Solve any **four** sub-questions.
 - a) Explain the Twisted Pair Cable with diagram. 5
 - b) Describe the Wi-Fi network. 5
 - c) List the various Protocol used in Computer Network. Explain in detail. 5
 - d) What is Layered Architecture of Network? 5
 - e) Explain the OSI Reference model with neat diagram. 5
3. Solve any **four** sub-questions.
 - a) Explain the function of Data Link Layer in OSI model. 5
 - b) Describe the role of Presentation Layer in OSI model. 5
 - c) What is Subnet Masking? 5
 - d) What is PPP protocol? 5
 - e) Differentiate between the OSI and TCP/IP model. 5

4. Solve any **four** sub-questions.

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| a) What is Worms? | 5 |
| b) Explain the Active Attack and Passive attack. | 5 |
| c) What is Virtual Private Network? | 5 |
| d) Explain the Intrusion Detection System. | 5 |
| e) Describe the Hashing in detail. | 5 |
