

P30/P32/P131/CMP209/CMP506/EE/20180614

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.

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1. Solve any **four** sub-questions.
 - a) Write a short note on MODEM. 5
 - b) Comparison of LED and Laser Diode. 5
 - c) Explain HUB in Networking. 5
 - d) Write a short note on Web server. 5
 - e) Explain 'ASCII code' in detail. 5
 2. Solve any **four** sub-questions.
 - a) What is ring topology and its advantages? 5
 - b) What are the types of routing algorithm? 5
 - c) Definition of DNS and explain its working. 5
 - d) Explain UDP protocol. 5
 - e) What are different types of line coding? 5
 3. Solve any **four** sub-questions.
 - a) Explain the Hyper Text Transfer protocol with three features. 5
 - b) Explain difference between switch and router. 5
 - c) Difference between TCP/IP model and OSI model. 5
 - d) What are the use of computer network? 5
 - e) What is function of data link layer? 5
 4. Solve any **four** sub-questions.
 - a) What are different types of polar encoding? 5
 - b) Difference between analog signal and a digital signal 5
 - c) What do you mean by ICMP? Why it is used? 5
 - d) Explain MAN network in detail. 5
 - e) What do you mean by piggy backing? 5