M. Sc. (IT) (Sem. II) (CBCS) Examination

April/May – 2018

EMY-2043 : Networking Fundamentals (ELE-I)

Faculty Code : 003

Subject Code : 008206

Time : $2\frac{1}{2}$ Hours]   [Total Marks : 70

1 Attempt any five of the following :   **30**

   (1) Explain PSTN.

   (2) Explain Thinnet and Thicknet in detail.

   (3) Explain development of local area network(LAN) in detail.

   (4) Explain functions of Repeater and Router.

   (5) Differentiate Subnet and Supernet.

   (6) Explain concept of FDDI.

   (7) Write a note on peer-to-peer networking.

2 Attempt any four of the following :   **20**

   (1) Explain TCP/IP and UDP.

   (2) What is IP address ? Explain classes of IP address.

   (3) Explain NetBIOS name discovery methods.

   (4) Write a note on Network adapter card.

   (5) List the types of cabling and explain fiber optics in details.

3 Attempt any two of the following :   **20**

(1) Write a note on OSI 7-layer reference model.

(2) What is DHCP ? Explain DHCP configuration.

(3) What is DNS ? Explain DNS name server roles and DNS name resolution.

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