Subject : Advanced Networking

Day : Friday   **S.D.E.** |||||||||||||||||||||| Time : 10.00 AM TO 1.00 PM

Date : 09/12/2016   **33283**   Max Marks : 80   Total Pages : 1

N.B.:
1) Answer any **FIVE** questions from Section –I. Each question carries **10** marks.
2) Answer any **TWO** questions from Section –II. Each question carries **15** marks.
3) Answers to both the sections should be written in **SAME** answer book.
4) Draw neat diagrams **WHEREVER** necessary.

SECTION-I

Q.1 What is an Internet? Explain the purpose of the Internet layer in the TCP/ IP protocol suite with suitable example.

Q.2 Explain in detail classful addressing scheme.

Q.3 What is ARP? Explain the purpose of an ARP request and ARP reply.

Q.4 How UDP protocol works?

Q.5 Explain various modes of communication. Explain with the help of diagram.

Q.6 Explain working of FDDI with suitable diagram.

Q.7 Explain the following:
  i) WAN
  ii) LAN

SECTION-II

Q.8 What is RARP in networking? Explain in detail RARP packet format, RARP request and RARP reply.

Q.9 What is Ethernet? Explain working of Ethernet and its frame format in detail.

Q.10 a] Explain Multiplexing & Demultiplexing.   [7]
     b] What are reserved & available port numbers.   [8]

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