

**S.D.E.**  
**B.C.A. (2004 Course Sem- V : SUMMER - 2019**  
**SUBJECT: ADVANCE NETWORKING**

Day : Saturday  
Date : 04/05/2019

**S-2019-4979**

Time : 02.00 PM TO 05.00 PM  
Max. Marks: 80

**N.B.:**

- 1) Attempt any **FIVE** questions from **Section –I**. Each questions carries **10** marks
- 2) Attempt any **TWO** questions from **Section –II**. Each question carries **15** marks.
- 3) Answer to both the sections should be written in **SAME** answer books.

**SECTION-I**

- Q1** Differentiate between LAN and WAN networks. (10)
- Q2** What is Internet? Explain the properties of Internet. (10)
- Q3** How addresses specify network connection? Explain with appropriate example. (10)
- Q4** How address resolution problem is solved? (10)
- Q5** Explain the functioning of Reverse Address Resolution Protocol (RARP). (10)
- Q6** Write short notes on **ANY TWO**: (10)
- a) IP Routers
  - b) UDP message
  - c) FDDI

**SECTION-II**

- Q7** Explain Ethernet Technology in detail (15)
- Q8** Explain following concepts for TCP protocol: (15)
- a) TCP Segment
  - b) Acknowledgement and retransmission
  - c) TCP checksum computation
- Q9** Explain Classful addressing scheme. What are weaknesses in internet addressing? (15)

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