

S.D.E.
B.C.A. (2004 Course Sem- V : WINTER - 2018
SUBJECT : ADVANCED NETWORKING

Day : Friday
Date : 30/11/2018

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

W-2018-4526

N.B.:

- 1) Attempt **ANY FIVE** questions from Section – I and **ANY TWO** questions from Section – II.
- 2) Answers to both the sections should be written in the **SEPARATE** answer books.
- 3) Figures to the right indicate **FULL** marks.

SECTION – I

- Q.1** Explain Asynchronous Transfer Mode (ATM) in detail with its advantages and disadvantages. [10]
- Q.2** Explain classful Addressing scheme with its type in detail. [10]
- Q.3** What is ARP? Explain in brief ARP with its frame format. [10]
- Q.4** Explain the RARP with its frame format. [10]
- Q.5** Enlist and explain various network topologies with its diagrammatic representation. [10]
- Q.6** Explain in detail UDP header format with its diagrammatic representation. Also enlist the application of UDP. [10]
- Q.7** Draw and explain segment format of TCP. [10]

SECTION – II

- Q.8** Explain the following: [15]
a) UDP multiplexing and UDP demultiplexing
b) Connectionless services and connection oriented services
- Q.9** What is subnet and supernet? Explain subnetting with suitable example. [15]
- Q.10** Explain dotted decimal notation in detail. Convert the IP address whose hexadecimal representation is C22F15B2 to dotted decimal notation. [15]

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