

S.D.E.
B.C.A. (2004 Course Sem- IV : SUMMER - 2019
SUBJECT: DATA COMMUNICATION & NETWORK

Day: Tuesday
Date: 14/05/2019

S-2019-4972

Time: 10.00 AM TO 1.00 PM
Max. Marks: 80

N.B.:

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

- Q.1** Define Computer Network. List five applications of networks. **(10)**
- Q.2** Differentiate between: **(10)**
i) Point-to-point and multi-drop circuits
ii) Synchronous and asynchronous transmission
- Q.3** Explain Time Division Multiple Access (TDMA) in detail. **(10)**
- Q.4** Explain OSI model in detail. **(10)**
- Q.5** Explain the physical and Data link Layer of X.25 Network. **(10)**
- Q.6** Explain Token ring (Priority) network in detail. **(10)**
- Q.7** Write short notes on any **TWO** of the following: **(10)**
a) Modem
b) Internetworking
c) Frame Relay
d) SDLC

SECTION-II

- Q.8** What are route discovery protocols? Explain any one route discovery protocol in detail. **(15)**
- Q.9** What is IEEE LAN Standard? Explain different LAN topologies. **(15)**
- Q.10** What is packet switching? When not to use packet switching? Compare packet Switching and circuit switching. **(15)**

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