

BACHELOR OF COMPUTER APPLICATIONS (C.B.C.S.) (2014 COURSE)
B.C.A. Sem-IV : WINTER : 2021
SUBJECT: COMPUTER NETWORKS-I

Day : Saturday
Date : 15-01-2022

W-11043-2021

Time : 02:00 PM-05:00 PM
Max. Marks: **100**

N.B.

- 1) Attempt any **FOUR** 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 the **SAME** answer books.

SECTION – I

- Q.1** Define Computer network. Explain goals, advantages and disadvantages of computer network. **(15)**
- Q.2** Explain guided and unguided transmission media. **(15)**
- Q.3** What is wireless LAN? Explain wireless LAN architecture. **(15)**
- Q.4** What are bridges? Explain with its types. **(15)**
- Q.5** What is network topology? Explain in detail different network topologies. **(15)**
- Q.6** What is Ethernet? Explain its topologies in detail. **(15)**
- Q.7** Write short notes on any **THREE** of the following: **(15)**
- a) Bluetooth applications
 - b) Gateway
 - c) Network Interface Card
 - d) Internet Information Server

SECTION - II

- Q.8** Explain in detail TCP/IP and OSI model. **(20)**
- Q.9** How network security implemented in financial institutions. **(20)**
- Q.10** What is IEEE standards? Explain in detail any two IEEE standards. **(20)**

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