

B.C.A. (2010 Course Sem- IV : SUMMER - 2019

SUBJECT :COMPUTER NETWORKS – I

Day : **Saturday**
Date : **20/04/2019**

Time : **10.00 AM TO 01.00 PM**
Max. Marks : **70**

S-2019-2099

N.B.:

- 1) Q.1 is **COMPULSORY**.
 - 2) Attempt **ANY FOUR** questions from Q.No.2 to Q.No.7.
 - 3) Each question carries **14** marks.
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Q.1 a) Define Computer Network. Explain goals of Network.

b) Discuss different applications of Computer Network.

Q.2 a) Explain Analog and Digital Transmission channel.

b) Differentiate between Server based LANs and Peer-to-Peer LANs.

Q.3 Explain different types of Wired Transmission Media with diagram.

Q.4 Explain the following network security devices:

- i)** Firewall
- ii)** Proxy server

Q.5 Explain TCP/IP reference model in detail.

Q.6 Discuss Bluetooth architecture and its applications.

Q.7 Write short notes on **ANY TWO** of the following:

- a)** Transparent Bridges
- b)** Web Documents
- c)** Search Engines
- d)** Internet Service Providers (ISP)

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