

B.C.A. (2010 COURSE SEM- IV : WINTER - 2017
SUBJECT: COMPUTER NETWORKS-I

Day: Monday
Date: 13/11/2017

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

W-2017-1642

N.B:

- 1) Q. No.1 is **COMPULSORY**.
- 2) Each question carries **14** marks.
- 3) Attempt **ANY FOUR** questions from Q. No.2 to Q. No.7.
- 4) Draw neat and labeled diagram **WHEREVER** necessary.

-
- Q.1** a) Explain the types of communication with appropriate examples. **(07)**
b) Explain the modes of communication with appropriate examples. **(07)**
- Q.2** What is topology? Explain different topologies used in computer network with their applications. **(14)**
- Q.3** Differentiate between the following: **(14)**
a) Circuit switching Vs. Packet switching.
b) Connection oriented Vs. Connectionless services.
- Q.4** What are different classes of transmission media? Explain guided media in detail. **(14)**
- Q.5** What is a Local Area Network (LAN)? Explain different components of a Local Area Network(LAN). **(14)**
- Q.6** Explain Bluetooth architecture and its applications in detail. **(14)**
- Q.7** Write short notes on **ANY TWO** of the following: **(14)**
a) Remote login
b) Repeaters
c) IEEE (802.5) Token Ring

* * * * *