

NP-3612

B.Sc. (Computer Science)

Examination, May-2024

Computer Network

(B.C.S.-602)

Time : Three Hours] [Maximum Marks : 75

Note : Attempt **all** the sections as per instructions.

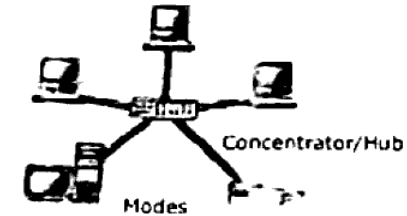
Section-A

Note : Attempt all the **five** questions. Each question carries **3** marks.

1. What is computer network?
2. Explain WAN?
3. Explain the work of Transport layer in TCP/IP architecture.

P.T.O.

4. What is the function of stop and wait flow control?
5. Examine the diagram below, which topology is used in it.



Section-B

Note : Attempt any **two** questions out of the following each questions carries 7.5 marks.

6. Discuss all types of communication channels in computer network.
7. Find out what networks are used at your college. Describe the network types, topologies and switching method used there.
8. Explain HDLC in detail

NP-3612/2

Section-C

Note : Attempt any **three** questions out of the following questions. Each question carries 15 marks each.

- ~~9.~~ Explain TCP/IP reference model in detail.
- ~~10.~~ What is meant by topology and explain the different topologies of a computer network in detail.
11. Explain the design of Go-Back-N ARQ. Show both receiver and sender window in it.
12. Explain the ATM Layers and its works along with its header.
13. Explain following terms-
 - ~~(i)~~ IEEE Standards
 - ~~(ii)~~ FTP
 - (iii) Search Engines
 - (iv) We Services