V Semester B.C.A. Examination, March/April 2022
(CBCS)
Paper – III : COMPUTER SCIENCE
Data Communication and Networks

Time : 3 Hours

Max. Marks : 100

Instruction: *Answer **all** Sections.*

SECTION – A

I. Answer **any ten** questions. **Each** question carries **two** marks. (10×2=20)

1) Expand DNS and HTTP.
2) What are the various TCP/IP utilities ?
3) What is Nyquist signaling rate for a noiseless channel ?
4) Define line configuration. Mention its types.
5) Define bit rate and braud rate.
6) What is framming ?
7) Expand FDDI and CSMA.
8) What is reservation ?
9) Define Ethernet.
10) Define Router.
11) What is flooding ?
12) What is bridge ? Mention its types.

SECTION – B

II. Answer **any five** questions. **Each** question carries **five** marks. (5×5=25)

13) Explain packet switching.
14) Explain Shannon capacity.
15) Explain the concept of checksum.
16) Write a note on amplitude shift keying.
17) Explain in detail about stop-and-wait ARQ.
18) Define polling. Explain different polling system.
19) Differentiate datagrams with virtual circuits.
20) Write a note on FDDI.

P.T.O.