



DCCS – 502

V Semester B.Sc. Degree Examination, February/March 2024

(NEP) (Freshers)

COMPUTER SCIENCE

Computer Networks

Max. Marks : 60

Time : 2½ Hours

Instruction : Answer **all** the Sections.

SECTION – A

I. Answer **any 6** questions. **Each** question carries **2** marks. (6×2=12)

- 1) Define Computer Networks.
- 2) Mention the goals of computer network.
- 3) What is digital signal ?
- 4) What is packet switching ?
- 5) What is framing ?
- 6) What is polling ?
- 7) What is FDDI ?
- 8) Define DNS.
- 9) List any two functions of application layer.

SECTION – B

II. Answer **any 4** questions. **Each** question carries **6** marks. (4×6=24)

- 10) Explain the TCP/IP reference model.
- 11) Explain following :
 - a) Twisted pair cable
 - b) Co-axial cable.
- 12) Explain the different types of Networks.
- 13) Expand PPP and explain.
- 14) Write a note on Bluetooth standard.
- 15) Explain the basic operations of UDP.



(3+3)

P.T.O.



SECTION – C

III. Answer **any 3** questions. **Each** question carries **8** marks.

(3×8=24)

- 16) Explain OSI reference model.
- 17) Explain the types of multiplexing.
- 18) Explain any two error detection techniques.
- 19) Explain the standard of IEEE 802.1.
- 20) Explain HTTP, SMTP, TELNET and POP.



(4×6=24)

(3×3)

P.T.O.