



NP – 281

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VI Semester B.Sc. Examination, July/August 2024
(NEP Scheme)

COMPUTER SCIENCE
CS 14 : Computer Networks

Time : 2½ Hours

Max. Marks : 60

Instruction : Answer **all** the Parts.

PART – A

I. Answer **any four** questions. **Each** carries **2** marks. (4×2=8)

- 1) What are the advantages of computer networks ?
- 2) What is checksum ?
- 3) Define Packet.
- 4) Define Domain name system.
- 5) What is fitter ?
- 6) Define throughput.



PART – B

II. Answer **any four** questions. **Each** carries **5** marks. (4×5=20)

- 7) Write a note on growth of Internet.
- 8) Explain Half Duplex and Full Duplex transmission modes.
- 9) What is WWW and HTTP ? Explain.
- 10) Explain TCP/IP protocol suite.
- 11) Explain distance vector algorithms.
- 12) Write a note on E-mail.

P.T.O.



PART - C

III. Answer **any four**. Each carries **8** marks. (4×8=32)

- 13) Explain OSI model with a neat diagram. 8
- 14) Describe HDLC of data link layer in detail. 8
- 15) Write a note on ALOHA in detail. 8
- 16) Explain Dijkstra shortest path algorithm. 8
- 17) Describe the FDMA and TDMA. 8
- 18) a) Explain congestion control and flow control. 4
b) Write a note on IPV6. 4