

12. Write the three types of data communication type. A user wants to upload a text documents of 20 pages per 10 second. What will be the required data rate of the channel ?

[1page content 2000 character and each character is 8 bits]

2+3

13. Write a short note on Software.
14. Write the full form of below mentioned word.
LCD, OLED, OS, MAN, HTTP.

Group – C

Answer any one question **1×10=10**

15. Describe different type of network topologies. Write a short note on computer protocols. 6+4
16. Classify the types of transmission media. Describe the high level language . 4+6

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B.Sc. Frist Semester Examination(ESE) 2024

(CCFUP : NEP)

(3-Year and 4 Year)

B.Sc.

Paper Code : UG/I /BSc/MDC-1-IT

Paper Name : IT

Full Marks - 40

Time - 3 hours

The figures in the margin indicate full Marks. Candidates are required to give their own words as far as practicable. Illustrate the answers wherever necessary.

Group - A

Answer any five questions

2×5=10

1. Give two example of volatile and non-volatile memory.
2. What is computer peripheral ? Give two example.
3. What is hardware and software?
4. What is assembly language?
5. What do you mean by OPERAND ?
6. What is the full form of PAN and VPN?
7. Convert $(FA8.2)_{16} = (?)_{10}$
8. Write a short note on Laser Printer.

Group – B

Answer any four questions

4×5=20

9. Describe the basic architecture of a computer with a suitable diagram .
10. Describe the different type of network.
11. Difference between Modem and Router. Describe on different types of operating systems. 2+3