



'সমানো মন্ত্র: সমিতি: সমানী'

UNIVERSITY OF NORTH BENGAL
B.Sc. Programme 3rd Semester Examination, 2021

DSC1/2/3-P3-COMPUTER SCIENCE

COMPUTER NETWORKS

Time Allotted: 2 Hours

Full Marks: 60

The figures in the margin indicate full marks.

GROUP-A

Answer any four questions from the following

3×4 = 12

1. What is the difference between network and distributed system?
2. Discuss protocol.
3. What is the difference between internet and intranet?
4. Discuss the application of internet in business.
5. What is multiplexing?
6. Discuss packet switching.

GROUP-B

Answer any four questions from the following

6×4 = 24

7. Explain LAN with the help of an example.
8. Discuss the advantages and disadvantages of star topology.
9. Explain parallel and serial transmission.
10. Discuss the function of network layer.
11. Explain checksum with the help of an example.
12. Explain Go-Back-N ARQ with the help of an example.

GROUP-C

Answer any *two* questions from the following

12×2 = 24

13. Explain different layers of TCP/IP reference model.
14. Explain some error detection techniques.
15. Generate the Hamming code for the data unit 1001011100.
16. Explain different types of transmission media by giving examples.

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