D 122482   (Pages : 2)   Name......................................

Reg. No................................

SECOND SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY) EXAMINATION, APRIL 2025

(CBCSS)

Computer Science

CSS 2C 08—COMPUTER NETWORKS

(2019 Admission onwards)

Time : Three Hours   Maximum : 30 Weightage

Section A

Answer any **four** *questions.*

Each questions carries 2 *weightage.*

1. List the advantages of twisted pair.

2. Define topology.

3. Write a short note on Generic domain.

4. Mention the duties of transport layer.

5. What are the functions of bridges ?

6. What is main difference between switches and hubs.

7. Define authorization.

(4 × 2 = 8 weightage)

Section B

Answer any **four** *questions.*

Each questions carries 3 *weightage.*

8. Describe about the different categories of networks.

9. How HTTP is working ?

10. Explain about the virtual circuit approach.

11. How CSMA/CD is working ? Explain.

Turn over

12. Write a brief note on Ethernet addressing scheme.

13. Describe about the RSA algorithm.

14. Write the different methods of error detection.

(4 × 3 = 12 weightage)

Section C

Answer any **two** *questions.*
Each question carries 5 *weightage.*

15. Describe about the OSI layers and its functions in detail.

16. Explain about the electronic mail in detail.

17. How TCP stop and wait protocol is working ? Explain.

18. Demonstrate the ATM layers and their functions.

(2 × 5 = 10 weightage)