

D 102139

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Name.....

Reg. No.....

**SECOND SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, APRIL 2024**

(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 ring topology.
2. What are the two broad categories of Transmission media ?
3. What is Management Information Base ?
4. Specify is the purpose of sequence number.
5. Define Multicast.
6. What is private key ?
7. List the functions of ARP ?

(4 × 2 = 8 weightage)

Section B*Answer any **four** questions.**Each questions carries 3 weightage.*

8. Explain the functions of presentation and network layer of OSI.
9. What is web server? How to build a Web server ?
10. What are the advantages of connection oriented approach over connection less approaches ?
Explain.

Turn over

11. How CSMA/CA is working ? Explain.
12. Explain the working principles of bus topology.
13. Describe about the error correction techniques.
14. Discuss a bout the UDP header details in detail.

(4 × 3 = 12 weightage)

Section C

Answer any two questions.

Each question carries 5 weightage.

15. Demonstrate the TCP/IP layer and its functions.
16. Explain about the World Wide Web in detail.
17. Describe about TPV6. How it is different from IPV4 ?
18. Discuss the private key cryptography in details.

(2 × 5 = 10 weightage)