

C 83036

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Name.....

Reg. No.....

**SECOND SEMESTER M.A./M.Sc./M.Com. DEGREE EXAMINATION  
JUNE 2020**

(CBCSS)

Computer Science

CSS 2C 08—COMPUTER NETWORKS

(2019 Admissions)

Time : Three Hours

Maximum : 30 Weightage

**Part A**

*Answer any four questions.  
Each question carries 2 weightage.*

1. Explain message switching.
2. Distinguish between synchronous and statistical TDM.
3. How does AM differ from ASK ?
4. Describe the components of optical fiber cable.
5. List three different ways in which the CRC algorithm can be described.
6. Identify the five components of a data communication system.
7. What are the factors that determine a communication system is a LAN, MAN, or WAN ?

(4 × 2 = 8 weightage)

**Part B**

*Answer any four questions.  
Each question carries 3 weightage.*

8. What are the different algorithms used for security in GSM ?
9. Explain message integrity.
10. Explain public key distribution.
11. Explain proxy firewall.
12. Explain the role of block coding in error correction.

**Turn over**

13. Explain error detection method using checksum with example.
14. Differentiate flow and error control.

(4 × 3 = 12 weightage)

### Part C

*Answer any two questions.*

*Each question carries 5 weightage.*

15. What are the different types of sliding window protocol ? Explain.
16. Explain name-address resolution in detail.
17. Illustrate the HTTP transaction between the client and server.
18. Describe open and closed loop congestion controls.

(2 × 5 = 10 weightage)

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