

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2024
(Regular/Improvement/Supplementary)

COMPUTER SCIENCE
FCSS2C08-COMPUTER NETWORKS

Time: 3 Hours

Maximum Weightage: 30

Section A: Answer any *four* questions. Each carries 2 weightage.

Write short notes on:

1. Network edge and the network core.
2. Socket programming.
3. Certification authority.
4. Multicast routing.
5. Bridge.
6. Digital signature.
7. DNS.

(4 × 2 = 8 weightage)

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

Write short essays on:

8. Different network topologies.
9. FTP and its operations.
10. Distance vector routing.
11. Different persistence methods used in Carrier Sense Multiple Access (CSMA).
12. Firewall.
13. Closed loop congestion control techniques.
14. ARP and its working.

(4 × 3 = 12 weightage)

(P.T.O.)

Section C: Answer any *two* questions. Each carries 5 weightage.

Write essays on:

15. ISO-OSI model.
16. SMTP,POP and IMAP.
17. TCP header format with neat diagram.
18. ATM and ATM Layers.

(2 × 5 = 10 weightage)