SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2021
COMPUTER SCIENCE
FCSS2C08-COMPUTER NETWORKS

Time: 3 Hours   **Maximum Weightage: 30**

Section A: Short answer questions. *All* **questions can be answered. Each carries** *two* **weightage (Ceiling 6 weightage).**

1. Explain the different categories of network.

2. Compare optical fibre cable and coaxial cable.

3. What is FTP?

4. Write a short note link layer services.

5. Compare open loop congestion and closed loop congestion.

6. Write a short note on bridges.

7. Write a short note on AES algorithm.

Section B: Short essay questions. *All* **questions can be answered. Each carries** *four* **weightage (Ceiling 12 weightage).**

8. Explain unguided media in detail.

9. Define the term Network Model. What are the benefits of layered approach of network modeling?

10. Compare persistent and non persistent connection of HTTP.

11. Explain wireless network.

12. Briefly explain distance vector routing.

13. Compare TCP and UDP.

14. Write a short note on digital signature.

Section C: Essay questions. *All* **questions can be answered. Each carries** *six* **weightage (Ceiling 12 weightage).**

15. Comapre the architecture of ISO-OSI reference model and TCP/IP reference model.

16. What is DNS? Explain the architecture of DNS system.

17. What is logical addressing? Compare IPV4 and IPV6.

18. What is Public key cryptography? Explain RSA algorithm with example.