Third Semester BSc Degree (Reg) Examination November 2025
KU3DSCCSY202 - COMPUTER NETWORKS
2024 Admission onwards

Time : 2 hours   Maximum Marks : 70

Section A

Answer any 6 questions. Each carry 3 marks.

1. What is distance vector routing algorithm?

2. Define IP address.

3. Define repeater.

4. What is Software Defined Networking (SDN)?

5. Define virtualization.

6. List the seven layers of the OSI model.

7. What is a reference model in networking?

8. Define transmission media.

Section B

Answer any 4 questions. Each carry 6 marks.

9. Explain the functions of hub and switch.

10. Describe peer-to-peer network model.

11. Describe data centers and their importance.

12. Explain the types of computer networks based on geographical coverage.

13. Explain twisted pair and coaxial cables.

14. Explain wireless transmission media.

Section C

Answer any 2 questions. Each carry 14 marks.

15. Explain error detection and correction techniques in detail.

16. Describe parity check, CRC, and Hamming code with suitable examples.

17. Compare static routing and dynamic routing.