

(040820202/245802B)

M.Sc. DEGREE EXAMINATION, APRIL 2018

SECOND SEMESTER

Branch – Computer Science

Paper II — COMPUTER NETWORKS

(Old Syllabus for batch 2013 to 2016)

Time : 3 Hours

Max. Marks : 70

PART - A

Answer any FIVE questions.

Each question carries 4 marks.

(Marks : 5×4 marks = 20 marks)

1. Explain Network topology.
2. Explain Coaxial cable for data transmission.
3. Explain flooding.
4. Explain wireless LAN.
5. Explain electronic mail.
6. Briefly discuss about UDP.
7. Define encryption and decryption.
8. Discuss about web security.

PART - B

Answer ONE question from each Unit.

(Marks : $4 \times 12\frac{1}{2}$ marks = 50 marks)

9. Explain various guided transmission media.

Or

10. Explain design issues of Data link layer.
11. Explain Link state routing algorithm.

Or

12. Explain any two congestion control algorithms.

[P.T.O]

13. Explain design issues of Transport layer.

Or

14. Explain TCP and UDP protocols in Transport layer.

15. Explain about :

(a) Digital Signature

(b) Cryptography.

Or

16. Explain symmetric key algorithm for network security.
