

(202CS17)

M.Sc. DEGREE EXAMINATION, APRIL 2018

SECOND SEMESTER

Branch – Computer Science

DATA COMMUNICATIONS AND COMPUTER NETWORKS

(New Syllabus for Batch 2017)

Time : 3 Hours

Max. Marks : 70

SECTION – A

Answer any FOUR questions from Section A each question carries 5 marks.

(Marks : 4×5 marks = 20 marks)

1. Explain about TCP/IP Protocol Suite?
2. Write about the three techniques of digital-to-digital conversion
3. Explain about frequency division multiplexing.
4. List the differences between guide and unguided media.
5. Write short notes on error detection in data link layer.
6. Write about HDLC.
7. List the differences between IPV4 and IPV6?
8. Write a short note on dynamic domain system.

SECTION – B

Answer ALL questions from Section B each question carries 12.5 marks.

(Marks : 4×12.5 marks = 50 marks)

UNIT I

9. (a) Explain OSI model with a neat diagram.

Or

- (b) Explain about Analog Transmission.

UNIT II

10. (a) Explain in detail about Multiplexing.

Or

- (b) Explain Transmission media in networking.

[P.T.O]

UNIT III

11. (a) Explain about Error correction techniques.

Or

(b) Explain about noiseless channel protocols.

UNIT IV

12. (a) Explain in detail about File Transfer Protocol.

Or

(b) Explain about Address Mapping.
