Code: 9F00302

MCA III Semester Supplementary Examinations May 2019
COMPUTER NETWORKS
(For 2009, 2010, 2011, 2012 (LC), 2013, 2014, 2015 & 2016 admitted batches only)

Time: 3 hours   Max. Marks: 60

Answer any FIVE questions
All questions carry equal marks
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1   List various guided media available for message transmission and explain fiber optic cable in detail.

2   Explain the functionality of data link layer as well as services provided by it to network layer.

3   Brief on the following with reference to mechanism, advantages and disadvantages:
   (a) FDM.
   (b) TDM.

4   Explain the mechanisms of congestion control in datagram subnets.

5   Explain in detail about connectionless and connection oriented switching.

6   Present three way handshaking performed by TCP with the help of time line diagrams.

7   Briefly explain any two cryptographic algorithms.

8   Describe email system with reference to its architecture and services, user agent and message formats and explain.

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