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Roll No

MEDC - 105**M.E./M.Tech. I Semester**

Examination, December 2015

Data Communication and Computer Networks*Time : Three Hours**Maximum Marks : 70*

Note : Attempt any five questions. All questions carry equal marks.
Draw neat diagrams wherever required.

1. a) Define Parity check.
b) Differentiate the synchronous and asynchronous transmission.
2. a) What is null model?
b) Explain the different types of switching techniques.
3. a) What do you understand by flow control?
b) Explain the ARQ technique for error control.
4. a) What is HDLC?
b) Explain the sliding window protocol.
5. a) What is Datagrams.
b) Explain the dijkstera and Bellman ford least cost algorithm.

6. a) Define virtual circuits.
b) Explain the congestion control technique and deadlock.
7. a) Define FDDI.
b) Write down the various topologies of LAN.
8. a) Describe UBS LANs.
b) Write down the medium access control schemes such as contention and token passing.

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