

MAY 2014

**P/ID 16107/KAG/
PITD**

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) What is an ad hoc network? How is it different from others?

Or

- (b) What characteristics of EM spectrum are important for data communication ? Discuss.

2. (a) What is local machine level addressing? How does the data link layer incorporate that?

Or

- (b) What is the error when a frame is represented as a polynomial?

3. (a) How RTS and CTS are used for communication in ad hoc mode?

Or

- (b) What is the difference between 10 base T and 10 base F standards?

4. (a) How does the network layer provide service to the transport layer?

Or

- (b) What is Jitter control? Why is it more useful in multimedia transmission?

5. (a) What is persistent timer? Discuss its requirements.

Or

- (b) How does the transport layer react in abnormal events?

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. Explain in detail about communication satellite.
7. “Sliding window protocols are more robust”. Explain.
8. Explain the different service classes and their usefulness.
9. Explain what is flooding and how useful it is.
10. Discuss the importance of check points in crash recovery. Why are they not usually deployed in other applications vulnerable to crash?

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11. Write short notes on Internet protocol standards.
 12. Describe the fields used for implementing MPLS and show their need.
 13. Explain in detail about SMMP.
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