

DECEMBER 2015

P/ID 16169/PIE10

Time : Three hours

Maximum : 100 marks

PART A — (6 × 5 = 30 marks)

Answer any SIX questions each in 200 words.

1. Write short notes on space division multiplexing.
2. Explain bearer services in mobile services.
3. Explain protocol architecture of IEEE 802.11.
4. Discuss about packet delivery.
5. What is snooping TCP?
6. What are the different network types of BRAN?
7. Write short notes on handover in satellite systems.
8. What are the disadvantages of cellular system in small cells?

PART B — (7 × 10 = 70 marks)

Answer any SEVEN questions each in 500 words.

9. Describe simplified reference model with its layer functions.
10. Explain in detail about security service offers by GSM.

11. Discuss briefly about protocol stack in Bluetooth architecture.
 12. Write brief notes on dynamic host configuration protocol.
 13. Explain in detail about parameters to adapt TCP to wireless environments.
 14. Compare SDMA, TDMA, FDMA and CDMA mechanism.
 15. Discuss briefly about UMTS radio interface.
 16. Describe the process of registration in MobileIP.
 17. (a) Write brief notes on transaction-oriented TCP.
(b) Write short notes on slow start.
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