



C09-CM-606 B

3740

BOARD DIPLOMA EXAMINATION, (C-09)
OCT/NOV—2017
DCME—SIXTH SEMESTER EXAMINATION
MOBILE COMPUTING

Time : 3 hours]

[Total Marks : 80

PART—A

3×10=30

Instructions : (1) Answer **all** questions.
(2) Each question carries **three** marks.
(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. List the advantages of cell structure.
2. Define Internetworking.
3. Name the three functional areas of a GSM Network.
4. State the basic reasons for handover in GSM.
5. List the advantages of Broadcast systems.
6. What do you mean by ISL routing for satellite network?
7. List L2CAP logical channels.
8. What error correction schemes are used in Bluetooth base band?
9. What is tunneling?
10. What do you mean by TCP fast retransmit and fast recovery?

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PART—B

10×5=50

- Instructions** : (1) Answer *any five* questions.
(2) Each question carries **ten** marks.
(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. Explain about SDMA and FDMA.
12. Explain GSM signaling protocol architecture.
13. Explain how system security is maintained in GSM.
14. Explain about GEO, LEO and MEO satellites.
15. Explain about digital video broadcasting in detail.
16. Explain MAC management in wireless LAN.
17. Explain various usage models of Bluetooth profile documents.
18. Compare wireless technologies 3G and 4G.

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