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BOARD DIPLOMA EXAMINATION, (C–09)

OCT/NOV—2015

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. Differentiate between TCP and UDP.

2. State the advantages of layering in TCP/IP architecture.

3. List the new data services provided by GSM.

4. State the purpose of GSM radio interface.

5. List the advantages of broadcast systems.

6. Define digital video broadcasting. State its specifications.

7. List the security services provided by Bluetooth.

8. List the application areas supported by Bluetooth.

9. State the characteristics of TCP which will make it use full in mobile environments.

10. Write the features of 2G wireless technology.

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 SDMA and FDMA.

12. Explain localization and calling in GSM.

13. Draw the block diagram of GSM architecture and explain.

14. Explain GEO, LEO and MEO satellites.

15. Explain the mechanisms for localization of users in a satellite system.

16. Explain wireless LAN protocol architecture with the function of each layer.

17. Classify and explain L2CAP signaling commands.

18. Describe with neat sketch packet delivery in mobile IP.

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