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Exam. Code: 0925
Sub. Code: 6946

1128
B.E. (Information Technology)
Seventh Semester
IT-743: Mobile Computing

Time allowed: 3 Hours

Max. Marks: 50

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting two questions from each Unit.

x-x-x

- I. Attempt the following:-
- a) What is full form of SDMA and Manet?
 - b) Describe the governing principle of FDMA.
 - c) What is the function of mobile transport layer?
 - d) Differentiate between reactive and proactive protocols.
 - e) Explain the emaning of database hoarding. (5x2)

UNIT – I

- II. Draw and explain the architecture of GSM. (10)
- III. What are various multiple access techniques? Explain each of them. (10)
- IV. Write a short note on following terms:-
- a) Time out freezing
 - b) Tunneling (5,5)

UNIT – II

- V. Discuss a Cache Invalidation mechanism for mobile computing. (10)
- VI. Discuss Push based, Pull based and hybrid mechanisms for data dissemination in mobile communication. (10)
- VII. a) How is security enured in Mobile ad-hoc networks?
b) Highlight the salient features of Wireless Application Protocol. (5,5)

x-x-x