

Code: 9A19701

B.Tech IV Year I Semester (R09) Supplementary Examinations June 2017

MOBILE COMPUTING

(Electronics & Computer Engineering)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Distinguish between wireless communication and mobile communication.
(b) Discuss GSM security.
- 2 (a) What happens in case of exposed terminals, if ALOHA and MACA are used?
(b) Compare and contrast SDMA, FDMA, TDMA and CDMA.
- 3 (a) What is mobile IP? Explain how IP packets are transferred to/from mobile node.
(b) Draw minimal encapsulation packet format and explain each field.
- 4 Write notes on:
(a) Selective retransmission.
(b) Transmission / time-out freezing.
- 5 (a) Discuss any one transactional model of database.
(b) Explain the query processing of database.
- 6 Discuss database hoarding techniques.
- 7 (a) Explain AODV routing algorithm.
(b) Write notes on mobile agents and service discovery.
- 8 (a) Describe Bluetooth protocol stack with the help of a neat sketch.
(b) Write about J2ME.
