

322753(22)

B. E. (Seventh Semester)
EXAMINATION, Nov.-Dec., 2014
(Old Scheme)
(Branch : CSE)

CELLULAR AND MOBILE COMPUTING

Time : Three Hours] [Maximum Marks : 80
 [Minimum Pass Marks : 28

Note : (1) All questions carry equal marks.
 (2) Subpart (a) of each question is compulsory.
 (3) Solve any two subparts from (b), (c) and (d).

1. (a) What is Multiplexing ? 2
 (b) Describe wireless transmission. Also discuss its advantages and disadvantages. 7
 (c) Describe in brief about wireless LANs and wireless WANs. 7
 (d) Write short notes on the following : 7
 (i) CDMA
 (ii) FDMA
2. (a) What is GSM ? 2
 (b) Discuss system architecture of mobile services. 7

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- (c) Differentiate between paging and two-way paging.
 (d) What is broadcast system ? Describe digital audio broadcasting in detail.
3. (a) What is location management ?
 (b) Describe IEEE 802.11 architecture in detail.
 (c) What is bluetooth ? Describe working of bluetooth technology in detail.
 (d) Write short notes on the following :
 (i) HIPERLAN
 (ii) ACP
4. (a) What is Mobile IP ? 2
 (b) Describe ADHOC networks in detail. 7
 (c) Discuss snooping TCP over mobile TCP. 7
 (d) Describe transmission/time out freezing. Also discuss selective retransmission. 7
5. (a) What is WWW ? 2
 (b) What is WAP ? Describe WAP architecture in detail. 7
 (c) Describe wireless session protocol in detail. 7
 (d) Explain wireless transport layer security in detail. 7