

**B.Tech. – VIEP – COMPUTER SCIENCE AND
ENGINEERING (BTCSVI)****Term-End Examination****December, 2015****BICSE-014 : MOBILE COMPUTING***Time : 3 hours**Maximum Marks : 70*

Note : *Attempt any seven questions. Each question carries equal marks.*

1. Explain the various issues in mobile computing. Also describe the channel structure used in GSM. 10
2. Discuss the process of location management in a GSM network. 10
3. Using a suitable block diagram, explain the CDMA architecture in detail. 10
4. What do you understand by hands off ? Why is it necessary in a cellular system ? Explain the various kinds of hands-off found in the GSM system. 10

5. Explain the WAP architecture in detail using a suitable diagram. 10
 6. What do you understand by multiple access ? Explain the various wireless multiple access protocols. 10
 7. Explain the concept of adaptive clustering for mobile wireless networks in detail. 10
 8. Describe in detail the concept of Mobile Agent computing. Also, discuss the various security issues of wireless networks. 10
 9. What are MANETS ? How are they different from conventional wireless networks ? Explain the various QoS issues in Ad Hoc Networks. 10
 10. Explain any *one* of the following : 10
 - (a) TORA
 - (b) GSR
-