

**1110****Code : 15CS63C***Register  
Number*

--	--	--	--	--	--	--	--	--	--

**VI Semester Diploma Examination, April/May-2019****MOBILE COMPUTING****Time : 3 Hours ]****[ Max. Marks : 100**

- Instructions :** (i) Answer any **six** full questions from Part – A. Each question carries **5** marks.  
(ii) Answer any **seven** full questions from Part – B. Each question carries **10** marks.

**PART – A**

1. Explain the components of wireless communication system. 5
2. Summarize the applications of wireless LANs. 5
3. Explain the characteristics of 4G Network. 5
4. List any ten side effects of mobile phones on Human Body. 5
5. State some applications of DHCP. 5
6. Explain the features of palm O.S. 5
7. Define Microkernel OS. Give some reasons to prefer Microkernel for developing mobile OS. 5
8. Explain the features of SDK. 5
9. List any ten Android applications. 5

**PART – B**

10. Explain Bluetooth protocol Stack Architecture. 10
  11. Define Mobile Computing. Explain characteristics of Mobile Computing. 10
  12. Explain GSM Architecture for Mobile Computing. 10
  13. Explain G.P.R.S. (General Packet Radio Service) Network Architecture for Mobile Computing. 10
  14. List and explain terms used in Mobile-IP. 10
  15. Define MANET. Explain characteristics of MANET (Mobile Ad-Hoc Network). 10
  16. (a) Explain VANET (Vehicular Ad-Hoc Network). 5  
(b) List the applications of VANET. 5
  17. List and explain the special constraints of Mobile OS. 10
  18. Explain WAP protocol stack. 10
  19. Explain the Pros and Cons of M-commerce. 10
-