

Total No. of Questions : 12]

NOV-2015

SEAT No. :

**P3563**

[4861] -506

[Total No. of Pages : 2

**T.Y.M.C.A- (Faculty of Engineering)**

**b: MOBILE COMPUTING**

**( 2013 Course) (Elective - II) (Semester - V) (510905)**

*Time : 3 Hours]*

*[Max. Marks : 50*

*Instructions to the candidates:*

- 1) Solve either of Question 1 or 2,3 or 4,5 or 6,7 or 8,9 or 10,11 or 12 in same answer sheet.*
- 2) Neat diagrams must be drawn wherever necessary.*
- 3) Figures to the right side indicate full marks.*
- 4) Assume suitable data, if necessary.*

**Q1)** Explain the concept and architecture cellular network.

**[9]**

OR

**Q2)** Explain the architecture of GSM.

**[9]**

**Q3)** Explain the concept of wireless multiple access protocol.

**[8]**

OR

**Q4)** What are the different MAC issues?

**[8]**

**Q5) a)** Explain mobility in wireless LAN.

**[4]**

b) Explain how the channel access scheme and acknowledgement for Datagram are used in mobile wireless network.

**[4]**

OR

**Q6) a)** Explain Quality of Service (QoS) in mobile wireless networks.

**[4]**

b) What are the different types of wireless access technologies that may connect mobile users to the wired network?

**[4]**

*P.T.O.*

Q7) Explain the following in brief- [8]

- a) Flavors of windows CE, b) Types of storage offered by windows CE.

OR

Q8) a) What is the Record Management system? How the records are handled in J2ME? [4]

- b) Explain in brief about *Hellosymbian* in Symbian operating system. [4]

Q9) Write a program for performing Reading and Writing Operation in Android on external storage i.e. memory card. [8]

OR

Q10) Explain with suitable example- [8]

- a) Intents  
b) Adapters

Q11) Write a program for sending SMS on Android. [9]

OR

Q12) Explain how Android Instant Messaging works. [9]

