

S.B.Roll No.....

**MOBILE COMPUTING**  
**5<sup>th</sup> EXAM/IT /4628/May,2015**

**Duration: 3Hrs**

**M.Marks:75**

**SECTION-A**

**Note: Attempt all questions**

1.5x10

**Q1) Do as directed:**

- i) The .....protocol is responsible for setup & management at physical link.
- ii) RFID stands for.....
- iii) The IEEE 802.11 standard define a.....layer & a ..... layer for WLANs.
- iv) VOIP stands for.....
- v) The managing of IP address of the nodes in mobile ad-hoc network is not straightforward.(T/F)
- vi) Cellphones support Wi-Fi technology.(T/F)
- vii) IPV address consist of .....bits.
- viii) Wi-Fi stands for.....
- ix) Eight bit sections in IP address are known as.....
- x) .....types of connector are commonly used in telephone at home.

**SECTION-B**

**Q2 Note:Attempt any five questions:**

5x6

- i) What is mobile computing? Explain its various function.
- ii) Explain various GPRS application.
- iii) Describe Mobile IP in detail.
- iv) What do you mean by Bluetooth.Write various applications of Bluetooth.
- v) What is J2ME technology.
- vi) Explain middle-ware & gateways.
- vii) What are design consideration of mobile computing?

**SECTION-C**

**Note: Attempt any three questions:**

3x10

- Q3) Describe 3-tier architecture for mobile computing.
- Q4) Explain protocol architecture of IEEE 802.11.
- Q5) Explain Wireless Application Protocol in detail.
- Q6) Write short note on:
  - i) WIMAX
  - ii) RFID.