BE Semester- VIII (ATKT IT) Question Bank
Mobile Computing
All questions carry equal marks (10 marks)

Q.1	Draw Mobile Computing architecture and explain.
Q.2	List and explain design considerations for mobile computing.
Q.3	Explain Mobile Computing through telephony
Q.4	Explain Bluetooth with its protocol architecture
Q.5	Explain Radio frequency identification(Rfid)
Q.6	What is Mobile IP where it is used?
Q.7	What is IPv6? Explain with header format
Q.8	Draw and explain GSM architecture with GSM entities,
Q.9	Explain call routing in GSM
Q.10	List and explain GSM addresses and identifiers,
Q.11	How Short message services in Mobile computing will work?
Q.12	Explain working of General packet radio service (GPRS)
Q.13	Draw and explain GPRS network architecture,
Q.14	Explain Wireless Application Protocol(WAP)
Q.15	Give difference between CDMA and 3G
Q.16	Explain Spread-spectrum Technology,
Q.17	What is Wireless LAN? Explain with protocol architecture
Q.18	Discuss Security issues in mobile communication
Q.19	Give difference between Mobile ad hoc networks and sensor networks
Q.20	Explain Voice over Internet protocol and convergence
Q.21	Explain any five real life mobile computing applications.
Q.22	Define: BSC,MSC,BTS,VLR,EIR
Q.23	Explain Push SMS and Pull SMS with example and architecture
Q.24	Explain any four 802.11x protocol
Q.25	What is WAP? Explain Different Layers.

Q.26	Explain : IMEI , IMSI , SIM , HLR, TMSI
Q.27	Compare GSM and GPRS
Q.28	Explain FDMA, TDMA and CDMA with Example and .Its Use in Cellure Phone.
Q.29	Explain any two mobile OS and its features.
Q.30	Explain How to provide security in mobile applications? Give Example.
Q.31	Define Cell. Discuss benefit of cellular system.
Q.32	What is Hands off? Explain different hands off issues in GSM system
Q.33	Explain : DECT and IS_95(CDMA)
Q.34	Explain : Propagation , fading , Base band , Spread spectrum
Q.35	Explain 2nd generation and 3rd generation wireless system
Q.36	Explain L2CAP in detail
Q.37	Compare: 802.11a and 802.11b
Q.38	What are the three basic radio propagation issues?
Q.39	What is Roaming? Explain in detail in GSM system
Q.40	Explain : WLL , Soft Hand Over , AUC , VLR