M.Sc. 3rd Semester Examination, 2013

COMPUTER SCIENCE

(Mobile Computing)

[Elective - 1]

PAPER – COS-304

Full Marks : 50

Time : 2 hours

Answer any four questions

The figures in the right hand margin indicate marks

1. (a) What is Synchronous transmission? 2

(b) Describe the advantages and disadvantages of wireless networking system. 4

(c) What is LOS? 1

(d) Describe B.S.S. in detail. 3

(Turn Over)
2. (a) Describe logical channels used in GSM system. 4
(b) What is pulse shaping? 2
(c) Explain LF and MF. 1
(d) Write down the importance of radio-channel. 3

3. (a) What is handover process? Write the different types of handover process. 3 + 2
(b) Explain Code Division Multiplexing technique briefly with proper diagram. 3
(c) Define Bluetooth. 2

4. (a) What is SIM? Write the function of SIM? 2 + 3
(b) Write the different types of spread spectrum communication technique. 3
(c) Define Pseudo Noise. 2

5. (a) What is mobile IP? How mobile IP works. 2 + 3
(b) What is near terminals and far terminals? 3
(c) Define BTS. 2

6. Answer any four:

(i) B-channel and D-channel
(ii) DSR (Data Signaling Rate)
(iii) Decibel
(iv) Multipath Propagation
(v) DHCP
(vi) PSK.

[Internal Assessment — 10 Marks]