

Name :

Reg. No:

SEVENTH SEMESTER B.TECH DEGREE EXAMINATION, OCTOBER 2012**CS 09 701 - WIRELESS NETWORKS AND MOBILE COMMUNICATION SYSTEM****Time : Three Hours****Maximum : 70 Marks****PART - A**

I

- Mention the advantages of using the wireless system.
- Define roaming.
- State the need for message routing.
- Define GSM. Mention its use.
- State the characteristics of WAP.

5 x 2 = 10 marks

PART - B

II

- Write about any two popular cellular telephony networks.
- Explain about the third generation wireless systems.
- Write a note on Radio Resource Allocation.
- Explain about PACS Network signaling.
- How is the GSM Short Message Service implemented?
- Explain about the GPRS Network nodes.

4 x 5 = 20 marks

PART - C

III

- With a neat sketch, explain the PCS Architecture.
(or)
- Explain in detail about Handoff Management and the types of Handoff.

IV

- Explain the Cellular Digital Packet Data Architecture in detail.
(or)
- Explain in detail about how mobility management is done using TCAP.

V

- Explain in detail about GSM Network signaling.
(or)
- Write in detail about GSM Mobility Management.

VI

- Discuss in detail about the GPRS architecture and its functional groups.
(or)
- Write in detail about the GPRS Interfaces.

4 x 10 = 40 marks
