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(Pages : 2)

Name.....

Reg. No.....

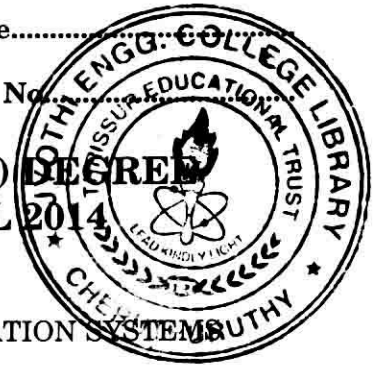
**SEVENTH SEMESTER B.TECH. (ENGINEERING) DEGREE
[SUPPLEMENTARY] EXAMINATION, APRIL 2014**

(2009 Scheme)

CS/PTCS 09 701 – WIRELESS NETWORKS AND MOBILE COMMUNICATION SYSTEMS

Time : Three Hours

Maximum : 70 Marks



Part A

Answer all questions.

- I. (a) What do you mean by Handoff ?
(b) Write the significance of using the Third generation wireless systems.
(c) Define Signal System 7.
(d) Define GSM.
(e) Write the features of WAP.

(5 × 2 = 10 marks)

Part B

Answer any four questions.

- II. (a) Write a note on cordless telephony.
(b) Explain the working of the message routing technique.
(c) Write about the working of the GSM.
(d) Explain about the functional groups of the General Packet Radio Service.
(e) Mention about the popular cellular telephony networks.
(f) Write a note on Radio Resource Allocation.

(4 × 5 = 20 marks)

Part C

Answer all questions.

- III. (a) Explain in detail about Roaming Management and Handoff Management.

Or

- (b) Explain in detail about PCS Architecture.

Turn over

IV. (a) Explain in detail about the PCN/PSTN call control using ISUP.

Or

(b) With a neat sketch, explain about the Cellular Digital Packet Data Architecture.

V. (a) Explain in detail about the GSM mobility Management.

Or

(b) Write a detailed note in GSM Short Message Service.

VI. (a) Explain the architecture of the General Packet Radio Service.

Or

(b) Explain the working of the GPRS Network Interfaces.

(4 × 10 = 40 marks)