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Register Number:

7606

Name of the Candidate:

P.G.DIPLOMA EXAMINATION, December 2014

(MOBILE COMPUTING)

110: PRINCIPLES OF MOBILE COMMUNICATION

Time: Three hours

Maximum: 100 marks

Answer any FIVE questions

(5 × 20= 100)

1. a) Write in detail about Evolution of mobile communication. (15)
b) What is Grade of service? (5)
2. a) How to improve the coverage and capacity based on cellular concept. (8)
b) Describe in detail about the small scale multipath propagation and multipath measurements. (12)
3. Write short notes on (4×5=20)
a) Reflection b) Diffraction
c) Scattering d) Parameters of mobile multipath channels
4. a) Draw the TETRA frame structure and its channels. (8)
b) Different types of UMTS radio interface (8)
c) Specify the important functions in wireless ATM. (4)
5. a) Explain in detail about the mobile quality of services. (12)
b) Describe in detail about the Radio Access layer. (8)
6. a) What are all the different goals of mobile IP? (8)
b) How to do the Agent Advertisement and discovery. (12)
7. a) What are all the different types of Addressing in wireless ATM. (10)
b) Draw the protocol architecture of DECT based on protocol layer. (10)
8. a) Explain the Adhoc networks and its application. (10)
b) How the packets are delivered to the destination based IP packet delivery. (10)

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