IV B.Tech. I Semester Supplementary Examinations May 2017
Mobile Communications
(Common to CSE & IT)

Max. Marks: 70   Time: 3 Hours

Answer *any **five*** questions
All Questions carry equal marks (**14 Marks** each)
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1. a) Discuss in detail the various handover scenarios in GSM.   6M

   b) Describe the reliability and delay classes in GPRS. Also explain the GPRS procedures.   8M

2. a) Describe the functions of MAC & physical layer of IEEE802.16n in detail   8M

   b) Compare & contrast TDMA,FDMA and CDMA   6M

3. a) What is Mobile IP? Explain agent recovery, registration and encapsulation.   10M

   b) Describe the client server configuration of DHCP.   4M

4. a) What happens in the case of I-TCP if the mobile is disconnected? Discuss.   7M

   b) Discuss how snooping TCP acts as transparent TCP and explain the role of foreign agent in it in detail.   7M

5. a) What is MANET? Give examples of MANETS?   4M

   b) Describe spectrum of MANET applications in detail.   10M

6. a) Mention the primary goals of WAP? Discuss.   6M

   b) Explain in detail the components and interfaces of the WAP architecture.   8M

7. a) What are different database hoarding techniques? Explain in detail   7M

   b) Explain caching invalidation mechanisms in database?   7M

8. a) Illustrate classification of new data delivery mechanisms?   7M

   b) Discuss selective indexing techniques with suitable examples?   7M

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