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**Question Paper Code: 52437**

M.E. DEGREE EXAMINATION, NOV 2016

Elective

Computer Science and Engineering (With Specialization in Networks)

15PNE506 - MOBILE COMMUNICATION

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

(5 x 20 = 100 Marks)

1. (a) Write some examples for wireless communication system. Briefly explain the principle of cellular networks. (20)

Or

- (b) What is multiple access? Explain in detail the TDMA & FDMA multiple access techniques. (20)

2. (a) Explain IEEE 802.11 physical layer. (20)

Or

- (b) Explain about WIFI and WIMAX. (20)

3. (a) Explain the network services of GPRS and mobility support in GPRS. (20)

Or

- (b) What are the functions of authentication, encryption in GSM? How is system security maintained? (20)

4. (a) Discuss in detail Indirect and Snooping TCP and differentiate them. List the steps for TCP adaptation. (20)

Or

(b) How can the tunneling and encapsulation be performed in mobile IP?  
Describe the client server configuration of DHCP. (20)

5. (a) Explain in detail the components and interfaces of the WAP architecture. (20)

Or

(b) List out the important features of WAP .How is WAP used as a gateway? Discuss various protocols under WAP. (20)

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