

B.E. Eighth Semester (Computer Science & Engineering) (CGS)
10356 : Professional Elective - II : Mobile Computing : 8 KS 04

P. Pages : 2

Time : Three Hours



AU - 3016

Max. Marks : 80

- Notes : 1. Assume suitable data wherever necessary.
2. Illustrate your answer necessary with the help of neat sketches.

1. a) Compare FSK and PSK. 7
b) What are advantages of 7
a) Small cell size
b) Larger cell size

OR

2. a) Explain in brief Direct sequence spread spectrum. 7
b) What are causes of interference? 7
3. a) Explain in brief. 7
a) Classical ALOHA.
b) Slotted ALOHA.
b) What are different types of Handover in GSM system. 6

OR

4. a) Explain effects of 7
a) Hidden and exposed terminal.
b) Near and far terminal.
b) What are advantages and limitations of TDMA? 6
5. a) What are application areas where satellite are being used? 6
b) Explain in brief Digital Video Broadcasting. 7

OR

6. a) What are different types of satellite orbits? 6
b) What is Intra-satellite and Inter-satellite handover and its causes? 7
7. a) What are piconets? 6
b) What are applications of Ad-Hoc networks? 7

OR

8. a) Explain in brief IEEE 802.11 packet structure. 7
b) Compare correspondence of HIPERLAN layers and OSI layers. 6
9. a) Explain in brief IP-in-IP encapsulation. 7
b) What is the purpose of DHCP protocol? 7

OR

10. a) Explain in brief Indirect-TCP & traditional TCP working. 7
b) What different types of errors that can occur in wireless and wired networks. 7
11. a) What are the advantages of the statelessness of HTTP? 7
b) Compare HTML and WML. 6

OR

12. a) Explain in brief WTP (Wireless Transaction protocol). 7
b) What are components and interfaces of the WAP Architecture? 6

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