

Code No. 11264/CBCS

FACULTY OF INFORMATICS

M.C.A. V-Semester (CBCS) (Main & Backlog) Examination, February 2021

Subject : Mobile Computing (P. Elective-III)

Time : 2 Hours

Max. Marks: 70

Note: Answer any Four questions.

(4 x 17 1/2 = 70 Marks)

1. a) Explain applications of wireless communication
b) Brief about code division multiple access
2. a) What are different Multiplexing Techniques used in mobile Communication
b) Explain the following problem and how it is solved.
i) Hidden and exposed terminals ii) Near and far terminals
3. a) Explain GSM protocol Architecture
b) Discuss Briefly about Digital video Broadcasting
4. a) Explain briefly about Handover?
b) Elaborate Architecture of UMTS.
5. a) What is difference between Infrastructure and adhoc networks.
b) Explain physical layer of IEEE 802.11
6. a) Show IEEE 802.11 protocol Architecture
b) Explain briefly Link management in Bluetooth
7. a) Discuss briefly about Mobile TCP
b) Illustrate DHCP with a neat diagram
8. a) Explain WAP 1.0 Architecture.
b) Why Dynamic Source Routing is needed? Discuss in detail.
9. a) Explain pull based data delivery mechanism with its advantages and disadvantages?
b) Discuss about Skewed-disk model?
10. a) Describe about Hybrid Mechanisms?
b) Differentiate about Directory Method and Hash based Method

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