

Total No. of Questions : 12]

P3221

SEAT No. : 1403
[Total No. of Pages : 2

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T.Y.M.C.A. (Engineering) (Semester - V)
MOBILE COMPUTING
(2013 Pattern) (Elective - II)

Time : 3 Hours]

[Max. Marks : 50

Instructions to the candidate:

- 1) Answers to the two sections should be written in separate answer books.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) Assume suitable data if necessary.

- Q1) a) Explain the concept of Cellular Network. [5]
b) What is the cell broadcast service? [4]

OR

- Q2) a) Explain the concept of location management. [5]
b) Define the term "Handoff". [4]

- Q3) a) Explain the concept of Wireless Multiple Access Protocol. [5]
b) What is Wireless LAN? [3]

OR

- Q4) a) Explain the architecture of Wireless Application Protocol. [5]
b) Explain the term "Data Broadcasting". [3]

- Q5) a) Explain the Data Management Issues in Mobile Computing. [4]
b) Explain CODA File System and its features. [4]

OR

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- Q6) a) Explain Quality of Service(QoS) in mobile wireless networks. [4]
b) What are the different types of wireless access technologies that may connect mobile users to the wired network? [4]

- Q7) a) Compare the features provided by following mobile operating systems: Android, Symbian, Windows Phone. [4]
b) Explain about UI Layouts of Android. State the types of Layouts. Explain in brief any two of them. [4]

OR

- Q8) a) What is the Record Management System? How the records are handled in J2ME? [4]
b) Explain in brief about HelloSymbian in Symbian operating system. [4]

- Q9) a) Explain File System Structure in Android. [4]
b) Write a program for accessing user's Current Location. (Assume GPSTracker.java file is available with you.) [5]

OR

- Q10) a) Define Dialogs, their use. How Dialogs are structured? [4]
b) Explain Location Based Service. [5]

- Q11) a) Write a short note on Bluetooth. [4]
b) Write a program for implementation of Bluetooth. [4]

OR

- Q12) Write a program for accessing an email account on Android OS. [8]

OR

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