MCA DEGREE V SEMESTER EXAMINATION NOVEMBER 2013

CAS 2503/ 2504/ 2505 ANDROID APPLICATION PROGRAMMING

Time: 3 Hours   Maximum Marks : 50

PART A
(Answer *ALL* questions)

(15 x 2 = 30)

I.   (a)   Briefly explain android development framework.
      (b)   Discuss the term naïve methods with examples.
      (c)   How android development differs from other type of development?

II.   (a)   What are application manifests?
      (b)   What are intents?
      (c)   What are common API's in android development?

III. (a)   What are content providers in android development?
      (b)   How do you read and write data to or from a file in android application?
      (c)   Explain database connectivity in android phones.

IV.   (a)   How we use geocoders for location based services?
      (b)   Explain background worker threads.
      (c)   Explain any two geocoding functions.

V.   (a)   Explain any two methods related to telephony.
      (b)   Explain the usage of accelerometer and compass.
      (c)   Write a note on media API in android development.

PART B

(5 x 4 = 20)

VI.   A.   Discuss various android development tools.
                                    OR
      B.   Discuss the android platform including its virtual machine and library architecture in detail.

VII. A.   Explain the android activity life cycle.
                                    OR
      B.   Explain the UI design tools in android development.

VIII. A.   Write a programme to search a database created in SQLite.
                                    OR
      B.   Explain the use of content provider and content resolver.

IX.   A.   Explain how can you create a sample location based service application in android environment with code examples.
                                    OR
      B.   Explain forward and reverse geocoding.

X.   A.   Explain the code for accessing various android hardware.
                                    OR
      B.   Explain the different types of android sensors.

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