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MCA DEGREE V SEMESTER EXAMINATION DECEMBER 2014

CAS 2503/2504/2505 ANDROID APPLICATION PROGRAMMING

(Regular - 2014 Revision)

Time: 3 Hours

Maximum Marks: 50

PART A

(Answer *ALL* questions)

(15 × 2 = 30)

- I. (a) Mention the languages and complete tools for developing android applications.
(b) What is the use of a manifest file in android?
(c) What is intent? Explain its purpose.
- II. (a) What is an activity in android applications?
(b) Write examples to use set content view () as a resource layout and view instance.
(c) Write short notes on views and view group.
- III. (a) Explain the salient features of SQLite database.
(b) Discuss the features of content providers.
(c) Explain the purpose of cursors and content values.
- IV. (a) Explain forward geocoding and its features.
(b) Explain how a physical location of a device is found?
(c) What are proximity alerts?
- V. (a) Discuss the communication between services and activities.
(b) Explain the different peer-to-peer communication in android.
(c) Explain briefly how to publish an android application.

PART B

(5 × 4 = 20)

- VI. Discuss any 5 native android applications.
OR
- VII. Explain the various components in android application.
- VIII. Explain with an example of programmatically creating an UI in android.
OR
- IX. Explain android activity life cycle.
- X. Explain with an example how we can create and use databases in android.
OR
- XI. Explain how a content resolver is used to modify and query content providers?
- XII. Explain how SMS is send in Android.
OR
- XIII. Discuss the geocoding functions in android.
- XIV. Write short notes on consuming web services in android.
OR
- XV. Discuss in detail how services are created and managed in android.