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MCA DEGREE V SEMESTER EXAMINATION NOVEMBER 2015**CAS 2503/2504/2505 ANDROID APPLICATION PROGRAMMING**
(Old scheme-Supplementary)

Time: 3 Hours

Maximum Marks: 50

PART A
(Answer ALL questions)

(15 × 2 = 30)

- I. (a) What is the use of manifest file in android?
(b) Explain the IDE set up for android development.
(c) What are the key components of an android application?
- II. (a) Write a note on android UI design.
(b) What is the function of broadcast receivers?
(c) How application priority is managed in android applications?
- III. (a) Explain how you can connect to SQLite database.
(b) Write a note on content providers.
(c) How can we load data from a file to SQLite database?
- IV. (a) Discuss the use of Async<> class used with background threads.
(b) Write a note on map-based services.
(c) Write a note on thread programming for android.
- V. (a) Write a note on media API's for android.
(b) Write a note on accessing android hardware.
(c) What is the use of overlays?

PART B

(5 × 4 = 20)

- VI. Explain the android SDK development framework with a typical example.
OR
- VII. Explain various android SDK features.
- VIII. Explain the main android API's with respect to a sample GUI application.
OR
- IX. What are intents? Explain types of intents with example program block.
- X. What are content providers? Explain with an example.
OR
- XI. Write a note on data processing in android applications using files and DBMS.
- XII. Develop a typical android app that uses the map features. Explain the program too.
OR
- XIII. Write notes on
(i) Reverse geocoding
(ii) Services
- XIV. Explain how you can develop a messaging application in android. Clearly explain which are the API's used.
OR
- XV. Briefly discuss about the use of alarm manager in android.
