Question Paper

MANIPAL UNIVERSITY

SCHOOL OF INFORMATION SCIENCES
SECOND SEMESTER Master of Engineering - ME (Embedded Systems)
DEGREE EXAMINATION - NOVEMBER 2017
DATE : Tuesday, November 21, 2017
TIME : 10:00AM - 1:00PM
Mobile Application Development using Android [ESD 616.11]

Marks: 100   **Duration: 180 mins.**

Answer all the questions.

1) Write short notes on (i) Dalvik VM   (ii) Android Manifest File   (5+5) (10)

2) Explain how Activity is used in Android with an example (10) (10)

3) Explain the Service component in Android. How is it different from an Activity? (7+3) (10)

4) Why are Intents used in Android? What are different types of Intents available? Explain. (5+5) (10)

5) What are the different types of layouts available in Android, Explain briefly. (10) (10)

6) Discuss how do you use check boxes and radio buttons in Android, explain with example. (10) (10)

7) Why does Android System need Content Provider? What are the operations supported by a Content Provider? Explain. (10) (10)

8) What is SQLite? What are its advantages? How is it used with Android? (10) (10)

9) Explain the following in Android (i) LocationManager (ii) LocationListener(5+5) (10)

10) Write short notes on (i) Broadcast Receivers (ii) Notification. (5+5) (10)

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