

Question Paper



MANIPAL UNIVERSITY

SCHOOL OF INFORMATION SCIENCES (SOIS)
SECOND SEMESTER MASTER OF ENGINEERING - ME (MEDICAL SOFTWARE/
EMBEDDED SYSTEMS)

DEGREE EXAMINATION - APRIL/MAY 2017

Monday, 24, 2017

Time : 10:00 AM - 1:00 PM

Mobile Application Development using Android

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) a) Explain DVM. How is it different from JVM (10)
(5 marks)
b) What are the advantages of android?
(5 marks)
- 2) List and explain the different activity states of an android application (10)
- 3) With an example explain the implicit intent in android (10)
- 4) Explain the two categories of android service lifecycle (10)
- 5) What is a layout? Give different types of layout available in android. Explain briefly each of them (10)
(2+8=10 marks)
- 6) With an example explain the spinner View (10)
- 7) a. What are Content Providers? (10)
(5 marks)
b. Why does Android system need Content Providers? (5 marks)
- 8) How data insertion and update operation can be performed in SQLite database? Provide proper example for both the operations (10)
(5+5=10 marks)
- 9) How to develop an android application in order to download binary data from a web server? (10)

- 10) Explain with an example
What is shared preference in android? explain (10)
the concept with a help of example
(4+6=10 marks)