

Question Paper

Exam Date & Time: 17-Apr-2018 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SCHOOL OF INFORMATION SCIENCES (SOIS) SECOND SEMESTER ME (MEDICAL SOFTWARE/ EMBEDDED SYSTEMS) DEGREE EXAMINATION- APRIL/MAY 2018

Tuesday, April 17, 2018

Time : 10.00 am to 1.00 pm

Mobile Application Development using Android [MMS 614]

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Explain the following (4+3+3 marks) (10)
(a)DVM (b)DDMS (c)ADB
- 2) (a)List the features of Android sdk. (4+4 +2marks) (10)
(b)What is pending intent, What Is Intent Filters and Broadcast Receivers?
(c) What is SDLC?
- 3) (a)What is SQLite database? Write code for adding, updating and removing data from SQLite database. (7+3 marks) (10)
(b)Explain Content Providers?
- 4) Explain the following layouts (10 marks) (10)
(a). Relative Layout (b). Frame Layout(c). Linear Layout (d). Table Layout
- 5) (a)How to create menus in android? explain with example (6+4marks) (10)
(b) What is the difference between Inheritance and polymorphism? explain with example
- 6) (a>Create an application that will display toast (Message) on specific interval of time.(write java code)(7+3marks) (10)
(b) Explain features of Android.
- 7) (a)What is Framework? Explain Android framework with figure. (6+4 marks) (10)
(b) Explain the structure of an android application?
- 8) (a)Explain location based services in android? (6+4 marks) (10)
(b) Explain Android Widgets.
- 9) (a)Explain Kernel layer in Android architecture? (7+3 (10)

marks)

(b) Explain the structure of Manifest file.

10) (a) How Android supports multiple screens? Explain with an appropriate example (4+6marks) (10)

(b) Which are the essential states of an activity?

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