

Code No: 5405AE

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**M. Tech I Semester Examinations, December – 2018/January - 2019****MOBILE APPLICATION DEVELOPMENT****(Computer Science)****Time: 3hrs****Max.Marks:75****Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART - A**5 × 5 Marks = 25**

- 1.a) Define android SDK. [5]
- b) State Android fragment classes. [5]
- c) Define Intent native actions. [5]
- d) Explain the properties of SQLite. [5]
- e) Mention types of Alarms. [5]

PART - B**5 × 10 Marks = 50**

2. Explain in detail the various layers of the Android architecture. [10]
- OR**
3. Explain types of Android applications. Create any small application in android? Explain. [10]
- 4.a) Create a simple registration form using EditText, Radio Button, and store the user value in Shared Preference.
 - b) Demonstrate use of Toggle Button class with example. Play Music on toggle on and music off on toggle off. [5+5]
- OR**
5. Show how Exception handling is implemented with relevant examples. [10]
- 6.a) What is the use of Intent in Android? Explain it with syntax.
 - b) What is Android Runtime? Also explain Android Virtual Device. [5+5]
- OR**
- 7.a) Explain about broad cast receivers in Android.
 - b) Write about creating and displaying notifications. [5+5]
8. Show how SQLite can be used to create tables. Explain the operations: insertion of data and selection of data. [10]
- OR**
- 9.a) Explain creating files, reading data from files, with examples
 - b) Illustrate creating shared preferences, saving and retrieving data using Shared Preference. [5+5]
- 10.a) Explain creating and using alarms with examples.
 - b) Illustrate on Setting Repeating Alarms. [5+5]
- OR**
- 11.a) Write a code to open an Internet data stream.
 - b) Explain how to find the current location? [5+5]