

Code No: 825AA

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**MCA V Semester Examinations, January - 2018****ANDROID APPLICATION DEVELOPMENT****Time: 3 Hours****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) Explain the types of Android applications. [5]
- b) Explain lifecycle of fragments. [5]
- c) What are implicit intents? [5]
- d) Explain the features of SQLite database. [5]
- e) Explain the features of alarm. [5]

PART - B**5 × 10 Marks = 50**

2. In detail explain the Android development framework. [10]
OR
- 3.a) Explain the Android Manifest file.
b) Explain the layouts in Android operating system. [5+5]
- 4.a) What is linear layout in android SDK? Using an XML file, explain the two nested linear layouts?
b) Describe the user interface components: spinners, dialog and pickers. [5+5]
OR
- 5.a) How Android supports multiple screen? Explain with an appropriate example.
b) Explain how fragments are added to activity. [5+5]
- 6.a) Explain explicitly starting of new activities using intents.
b) Explain passing data to intents. [5+5]
OR
- 7.a) How Android resolves intent filters? Explain.
b) Explain creation and displaying notifications using intents. [5+5]
- 8.a) Explain saving and retrieving data using Shared Preferences.
b) Explain the preference framework and preference activity. [5+5]
OR
- 9.a) Write a simple android program that reads one file and displays it on the screen.
b) Explain content providers. [5+5]
- 10.a) Explain the creation of alarms.
b) Write a snippet code to create a waking alarm that triggers in 20seconds. [5+5]
OR
11. Describe the various services related to location based service (LBS). [10]