

**R18**

**Code No:158DQ**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B.Tech IV Year II Semester Examinations, July - 2023**

**MOBILE APPLICATION DEVELOPMENT**

**(Common to CE, ME, ECE)**

**Time: 3 Hours**

**Max. Marks: 75**

**Note:** i) Question paper consists of Part A, Part B.

ii) Part A is compulsory, which carries 25 marks. In Part A, Answer all questions.

iii) In Part B, Answer any one question from each unit. Each question carries 10 marks and may have a, b as sub questions.

**PART – A**

**(25 Marks)**

- 1.a) What is AVD? [2]
- b) Define Intent Object. [3]
- c) List the layouts supported in Android. [2]
- d) Write a note on intent filter. [3]
- e) What is intent? [2]
- f) Compare implicit Vs explicit intents. [3]
- g) What is content provider? [2]
- h) Differentiate between Shared Preferences and Saved Instance State? [3]
- i) Write the ACID properties of transaction. [2]
- j) List the Characteristics of SQLite database. [3]

**PART – B**

**(50 Marks)**

- 2.a) Explain the architecture of Android application.
  - b) Explain best practices for Android Programming. [5+5]
- OR**
- 3.a) Describe life cycle of Activity in Android.
  - b) Give a detailed note on migration of states in Android activity. [5+5]
- 4.a) What is Spinner class in Android? Explain it briefly.
  - b) Implement action event using button Android. [5+5]
- OR**
- 5.a) What is fragment? Explain its life cycle.
  - b) Write the steps to add fragment to Activity in Android. [5+5]
- 6.a) Write the steps to get data from intent.
  - b) Explain the procedure to send SMS using intent in Android. [5+5]
- OR**
- 7.a) Write Android code display toast message.
  - b) Explain broad cast receivers in Android. [5+5]

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- 8.a) Write Android code to create user defined file.
- b) Write steps to list contents of a directory using Android. [5+5]

**OR**

QA QA QA QA QA QA QA G

- 9.a) Write Android code to get data using shared preference.
- b) Explain the ways to select best storage option. [5+5]

- 10.a) Describe DBAdapter Helper class.
- b) Explain, How you create your own content providers. [5+5]

**OR**

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- 11.a) Write Android code to insert data in database using content provider.
- b) Delete a record from data base table using content provider. [5+5]

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QA QA QA QA QA QA QA G

QA QA QA QA QA QA QA G

QA QA QA QA QA QA QA G

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QA QA QA QA QA QA QA G