

**Shree Manibhai Virani and Smt. Navalben Virani Science College (Autonomous), Rajkot**  
 Affiliated to Saurashtra University, Rajkot

**SEMESTER END EXAMINATION APRIL -2019**

**Bachelor of Computer Application / B.Sc. Information Technology**

**16UCACC25 / 16UITCC25 – MOBILE COMPUTING USING ANDROID**

*Duration of Exam – 3 hrs*

*Semester – VI*

*Max. Marks – 70*

**Part A (10X1= 10 marks)**

Answer **ALL** questions

1. What is Android?
2. What is an Activity?
3. Which method is used to get Input from EditText?
4. What is the use of orientation attribute in Linear Layout?
5. Which permissions is required in AndroidManifest.xml file to read images from SD card?
6. SQLite Database created on which path in emulator?
7. What is the use of Network API?
8. Which permissions is required in AndroidManifest.xml file to access internet?
9. Write full form of JSON.
10. Which file extension is used for Android application?

**Part B (5X5= 25 marks)**

Answer **ALL** questions

- 11a. What is Intent? Explain Implicit Intent and Explicit Intent with example.  
**OR**
- 11b. What is the use of Manifest file in android application? Explain it.
- 12a. Write an android code snippet – AutoCompleteTextView can provide help to user in typing days (Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday) from an array?  
**OR**
- 12b. What is WebView? Explain it with example.
- 13a. What is use of SQLiteOpenHelper Class in Android? Explain un-implements methods.  
**OR**
- 13b. Explain Shared Preference object with data Read and Write example.
- 14a. Write an android code to blink flashlight and vibrate phone.  
**OR**
- 14b. Write an android code for SMS Receive.
- 15a. Which details user have to provide in Pricing and Distribution option on Google Play.  
**OR**
- 15b. What is Web Service? Explain Restful Web Service.

**Part C (5X7= 35 marks)**

Answer **ALL** questions

16a. Explain Android Architecture with block diagram.

**OR**

16b. Explain Activity Life cycle's various methods with example.

17a. Explain RelativeLayout and LinearLayout with example.

**OR**

17b. Explain TextView, ImageButton and EditText with example.

18a. List-out different storage options in android explain it and write anyone with example.

**OR**

18b. Write an android application code to make Insert, Update and Delete operations on the database. (Assume any table)

19a. What is the use of Location Manager? Explain with example of Forward Geocode and Reverse Geocode.

**OR**

19b. What is Notification in android? Explain NotificationManager class with example.

20a. What is Parsing? Explain JSON parsing with example.

**OR**

20b. Write a steps to upload Android App on Google Play.

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