

**GUJARAT TECHNOLOGICAL UNIVERSITY****MCA INTEGRATED– SEMESTER-VII EXAMINATION –SUMMER-2020****Subject Code:4470611****Date:05-11-2020****Subject Name:Mobile Programming****Time:10:30 AM to 01:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make Suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1 (a) Do as Directed. 07**
1. Core source file that defines the entry point of your android application.
  2. -----is used to pass small chunk of data from one activity to another activity in android.
  3. All UI controls are derived from -----class
  4. Write the Permission of Write file to SD Card
  5. Write the Permission of To access phone state Information
  6. Android databases are stored into-----.
  7. Global application that defines your application's capabilities and permission.
- (b) 1. List down the android versions with version no, code name & API Level. 04**  
**2. Explain following terms. 03**  
 (a)DDMS (b) R.java (c) ADB
- Q.2 (a) Explain life cycle of android activity with suitable diagram 07**  
**(b) What are default resources and what are alternative resources? List different types of resources with required directory filename and xml tag. 07**
- OR**
- (b) Write code snippet for the following and also provide suitable explanation for the same. 07**  
 (i) Web View (ii) Dial a number
- Q.3 (a) What is uses of following widgets and list its important properties and event. 07**  
 1. Progressbar 2. SeekBar 3. RatingBar 4. MultiAutoComplete TextView  
 5. Chronometer
- (b) What is AndroidManifest.xml file? What kind of information is stored in it? 07**  
 Explain structure of it.
- OR**
- Q.3 (a) Explain different between Spinner and List View with example. 07**  
**(b) Explain with code snippet creation of the option menu and how to handle the event when a menu option item is selected? 07**
- Q.4 (a) What is SQLite Database? Explain methods for creating, updating, deleting and querying database records. 07**  
**(b) Write code snippet for following. 07**  
 1. Sending an SMS  
 2. Dial a number
- OR**
- Q.4 (a) List built-in layouts. Explain any two layouts in detail with example. 07**

- (b) What is Frame-by-Frame Animation? Explain creating frame-by-frame animation taking suitable example. **07**
- Q.5** (a) List and explain 3 methods of Log class with parameters. How it is useful for debugging application explain with example. **07**
- (b) What is Shared Preferences? Explain with example. **07**
- OR**
- Q.5** (a) Which steps are required for publishing an application and guaranteed successful deployment? **07**
- (b) What is adapter class? Write the use adapter class with code. **07**

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