

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA - SEMESTER– IV EXAMINATION – SUMMER - 2017

Subject Code: 3640015

Date: 08-06-2017

Subject Name: Android Programming

Time: 10:30 am - 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)** Give answer as true or false with proper justification. **07**
1. All UI controls are derived from view class.
 2. While click on camera buttons onKeyDown event will executes.
 3. Toast is a model dialog box mechanism used to display information to user without stealing focus from the active application.
 4. Android databases are stored in the /data/data/<package_name>/databases folder on your device (or emulator).
 5. If the Service requires permissions that your application does not have, the call to startService will throw a SecurityException.
 6. If more than one Location Provider matches your Criteria, the one with the lowest accuracy is returned.
 7. Android applications are distributed as Android package files (.APK).
- (b)** Explain android software stack. **07**
- Q.2 (a)** Explain layoutmanager class with all available layouts. **07**
- (b)**
1. Explain chronometer with example. **04**
 2. Describe available android application type. **03**
- OR**
- (b)**
1. What is compound control in android? **04**
 2. What is monkey and monkey runner in android? **03**
- Q.3 (a)** What is adapter class? Explain native android adapters. **07**
- (b)**
1. Write code snippet to store “GTU” in uni.txt file and also display on the click of OK button from the uni.txt file. **04**
 2. What is the importance of android manifest file? **03**
- OR**
- Q.3 (a)** What is shared preferences? Explain preference controls. **07**
- (b)**
1. Explain Surface view. **04**
 2. What is intent? Differentiate between implicit and explicit intent? **03**
- Q.4 (a)** What is the use of actionbar in android? How to create dropdown action bar? **07**
- (b)**
1. List and explain methods for cursor class. **04**
 2. List out any six native android actions. **03**
- OR**
- Q.4 (a)** Write code snippet to create options menu. **07**
- (b)** What is sound pool? Explain with suitable code snippet. **07**
- Q.5 (a)** What is the use of notification? Explain notificationmanager class. **07**
- (b)**
1. Write short note on canvas. **04**
 2. What is linkify? Explain native linkify link types. **03**

OR

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| Q.5 | (a) | How to work with animations? Explain frame animation with example. | 07 |
| | (b) | 1. List and explain types of sensor available in android. | 04 |
| | | 2. How to measured Acceleration in android device? | 03 |
