

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA– SEMESTER –V EXAMINATION –SUMMER-2019

Subject Code:2650003

Date: 06-05-2019

Subject Name: Mobile Computing (MC)

Time:10.30 am to 1.00 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) List all android terminologies.
 - 2) What is the use of ProgressBar?
 - 3) What are the different types of android platform available?
 - 4) What is the default path for database in android file system?
 - 5) What are the methods of Log class?
 - 6) How to format phone number in android? Just write code snippet.
- (b)** Differentiate:
- 1) ArrayAdapter vs CursorAdaptter **03**
 - 2) View vs ViewGroup **04**
- Q.2 (a)** Write a note on android platform architecture. **07**
- (b)** What is activity stack? How android platform manages various activities? **07**
- OR**
- (b)** What is Content Provider? What are the default content providers? Explain any one in detail. **07**
- Q.3 (a)** What are the built-in Layout classes? Explain each with example. **07**
- (b)** What is the use of androidmanifest.xml file? Explain elements of androidmanifest.xml file with example. **07**
- OR**
- Q.3 (a)** Explain android application lifecycle in detail. **07**
- (b)** What are Resources? What are the android resource directories? How to use Image resource programmatically? Explain with example. **07**
- Q.4 (a)** What is preference? How many types of preference? How to store, update & delete data using private preference? **07**
- (b)** How many types of menu available in android. Explain any one of them. **07**
- OR**
- Q.4 (a)** Explain different types of animations available in android. **07**
- (b)** What is content provider? What are the methods used to implement custom content provider? Explain creation of custom content provider using example. **07**

- Q.5 (a)** What is cursor? How to perform basic operations on SQLite database using android program. **07**
- (b)** Write a note on WebView control. Write a android application that create new browser. **07**

OR

- Q.5 (a)** Write android application to list out all website visited by the user along with several information such as how many times user has visited that site, whether it is bookmarked. **07**
- (b)** Write android application to create a stop watch **07**
