

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA –SEMESTER– V• EXAMINATION – WINTER - 2016

Subject Code: 650003

Date: 22/11/ 2016

Subject Name: Mobile Computing

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 :

- | | |
|---|-----------|
| 1. Why is Android so popular? | 02 |
| 2. What is the use of Toast in android? | 02 |
| 3. Distinguish between Activity & Service in android. | 02 |
| 4. Define : Context | 01 |

(b) List permission required for following task: 07

1. Send SMS
2. To access phone state Information
3. Add contact details
4. Write file to SD Card
5. To access online URL
6. To dial number
7. Read contacts

Q.2 (a) Explain Android Architecture in detail. 07

(b) What is Animation? How Frame – by – Frame animation differ from Tween Animation? Explain Tween animation by giving a suitable example. 07

OR

(b) Explain Activity Life-Cycle in android by giving a suitable example. 07

Q.3 (a) List out built-in Layouts in android. Explain LinearLayout & RelativeLayout by giving a suitable example. 07

(b) Explain the use of RatingBar by giving a suitable example. 07

OR

Q.3 (a) Explain Spinner and AutoCompleteTextView widgets taking suitable example. 07

(b) What is AndroidManifest.xml file? What kind of information is stored in it? Explain Structure of it. 07

Q.4 (a) What is Options menu? How it is different from Context menu? Explain Options menu in detail by taking a suitable example. 07

(b) What is Intent? Explain Intents in brief. Also Explain Explicit intent by giving a suitable example. 07

OR

Q.4 (a) Explain WebView by giving a suitable example. 07

(b) Write a note on different resources in android. 07

Q.5 (a) How can we create database in android? Also explain insert(),update(),delete() methods of SQLiteDatabase by giving suitable example. 07

(b) Explain steps required to publish an Android Application. 07

OR

- Q.5 (a)** What is content Provider? List useful built-in Content Providers with its purpose and explain any one of them in detail. **07**
- (b)** Explain the use of following :
1. LogCat **03**
 2. R.java file **02**
 3. DDMS **02**
