

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA INTEGRATED– SEMESTER VII- EXAMINATION –SUMMER-2022

Subject Code: 4470611**Date: 03/06/2022****Subject Name: Mobile Programming****Time: 02:30 PM to 05:00 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) Write short notes on Android Development features. **07**
(b) What is SDK? Explain android SDK features. **07**
- Q.2** (a) Write step by step guide to create android project. What are the advantages of Android? **07**
(b) What is the AndroidManifest.xml file and why do you need this? **07**
OR
(b) Explain android architecture. **07**
- Q.3** (a) Explain android different phases of the Activity life cycle. **07**
(b) What are the different tools in Android and explain them? **07**
OR
- Q.3** (a) Explain intent and its types with appropriate android code **07**
(b) What is Dalvik Virtual Machine & Android Runtime? **07**
- Q.4** (a) What is a Service? What is the difference between Service and Thread? **07**
(b) What is notification? Explain types of notification. **07**
OR
- Q.4** (a) What are Sensors in Android? **07**
(b) Describe Folder, File & Description of Android Applications. **07**
- Q.5** (a) Explain the dialog boxes supported on Android. Give anyone dialog box code. **07**
(b) Explain how one can use map and location based service. **07**
OR
- Q.5** (a) How do you troubleshoot an application that crashes frequently? **07**
(b) Write step by step instructions for signing and publication application. **07**
