| Seat No.: | Enrolment No. |
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GUJARAT TECHNOLOGICAL UNIVERSITY

MCA Integrated - SEMESTER- VII• EXAMINATION - WINTER 2016

| | • | Code: 4470611 Date: 19/11/20 | 016 |
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| Ti | • | Name: Mobile Programming 0:30 am - 01:00 pm Total Marks: | 70 |
| | 1. 2. | Attempt all questions. | |
| Q.1 | (A) | Which types of layouts are built in to Android SDK framework? Also explain the characteristics of each layout. | 07 |
| | (B) | Discuss the structure and importance of AndroidManifest.xml file. | 07 |
| Q.2 | (A) (B) | Discuss the uses of different Android Development Tools. Write about important Android Project Files and Directories. OR | 07 07 |
| | (B) | Explain with code how to create, write and read the data from the file. | 07 |
| Q.3 | (A) (B) | Explain the use of Spinner Control with example. Write key methods that an activity must use to manage a Dialog. OR | 07 07 |
| Q.3 | (A) (B) | Explain Android software stack in detail. Explain how to insert, update and delete records using SQLite Database class. | 07 07 |
| Q.4 | (A) (B) | Explain four types of tweening transformations. Explain how to load Content into a WebView Control. OR | 07 07 |
| Q.4 | (A) | For what purpose Chronometer control is? Also explain with code the methods used with Chronometer. | 07 |
| | (B) | How many types of progress bars are available? How their XML definitions differ? | 07 |
| Q.5 | (A) (B) | Write a code that shows how to send SMS Explain how frame by frame animation work. | 07 07 |
| Q.5 | (A) | OR Write the different ways to add logging support to Android application. Where | 07 |
| Ų.J | (A) | these logging messages appear? | U/ |
| | (B) | What is Intent? List out the various uses of intent and also explain using example how to pass additional information with intent. | 07 |
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