

**CDOE**  
**MASTER OF COMPUTER APPLICATIONS (CBCS-2019 COURSE)**  
**M.C.A. SEM - V : WINTER :- 2021**  
**SUBJECT: ANDROID**

**Day : Friday**  
**Date 25-02-2022**

**W-22271-2021**

**Time : 10:00 AM-01:00 PM**  
**Max. Marks: 60**

**Date :** \_\_\_\_\_

**N.B.**

- 1) For Section I - Q.4 is compulsory. Attempt any **TWO** questions from Q.1, Q.2, Q.3.
- 2) Attempt any **TWO** questions from Section II
- 3) Both the Sections should be written in the **SAME** answer book.
- 4) Figures to the right indicate full marks

**SECTION- I**

- Q.1** a) What is AVD? Explain the process of creating AVD in Android application development. (06)  
b) What are the orientation modes of available in Android? Explain with Example. (06)
- Q.2** a) What is requirement of kernel layer in android architecture? (06)  
b) Explain SQLiteDatabase in android. (06)
- Q.3** a) What is the significance of Android Manifest file? (06)  
b) Explain the various types of android application. (06)
- Q.4** Write short Notes (Any THREE) (12)  
a) Content Resolver  
b) String.xml file  
c) Use of resource ID  
d) Android SDK  
e) dialogues  
f) MapView  
g) Intent-Filter tag

## SECTION- II

- Q.5** a) Draw and explain Activity Life Cycle in detail. (06)  
b) Write a code to add ProgressDialog in Android App. (06)
- Q.6** a) What you mean by fragment in Android? Explain fragment with an example. (06)  
b) List out various layouts available in Android. Explain any one in detail. (06)
- Q.7** a) Create an android activity that will display record of a customer fetched from a SQLiteDatabase. (06)  
Write a code to insert studentDetails (sID, SName, sEnrollmentNo) in SQLiteDatabase using Android App.  
b) Create an android application that will convert distance entered into Kilometers into Meters and Centimeters. (Write XML file and Java file only) (06)

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