| PRN: | | Course Code : | MCA207 |
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Second Year **M.C.A.** End Semester Examination Winter 2022

# Mobile Application Development

Day and Date: Friday,16-12-2022 Max Marks: **100**

Time: 10:30 AM-01:30 PM Duration: **03** hrs

Instructions: All questions are compulsory.

| | | | Marks | Bloom's Level | CO |
|---|---|---|---|---|---|
| Q.1 | | **Attempt the following** | | | |
| | a) | State and explain various stages of Activity Lifecycle. | 08 | L2 | CO1 |
| | b) | Discover the meaning of Android Virtual Devices (AVD). Explain the Dalvik Virtual Machine (DVM). | 08 | L4 | CO1 |
| | | OR | | | |
| | b) | Identify and explain the use of Tasks and Back Stack in android? | 08 | L3 | CO1 |
| Q.2 | | **Attempt the following** | | | |
| | a) | Analyze the elements of AndroidManifest.xml file | 08 | L4 | CO2 |
| | b) | Discuss the concept of Logging in Android. | 08 | L6 | CO2 |
| | | OR | | | |
| | b) | Develop an android application to accept numeric values and display its addition. | 08 | L3 | CO2 |
| Q.3 | | **Attempt any two from the following** | | | |
| | a) | Discover the role of XML in android. Also Comment on Views. | 08 | L4 | CO3 |
| | b) | Identify and explain various Intent types. | 08 | L3 | CO3 |
| | c) | Explain TableLayout in detail with suitable example. | 08 | L2 | CO3 |
| Q.4 | | **Attempt any two from the following** | | | |
| | a) | Construct a code to demonstrate spinner widget. Also explain spinner widget. | 08 | L3 | CO3 |
| | b) | Explain Toast in Android. | 08 | L2 | CO3 |
| | c) | Develop an android application to implement VideoView. | 08 | L3 | CO3 |
| Q.5 | | **Attempt any Two of the following** | | | |
| | a) | Explain menu in android? Elaborate the elements and its attributes used to define menu. | 09 | L5 | CO3 |
| | b) | Construct a code to implement Context menu in android. | 09 | L3 | CO3 |
| | c) | Explain LocationManger. Write a code to get Current location of the device. | 09 | L5 | CO3 |
| Q.6 | | **Attempt any Two of the following** | | | |
| | a) | Explain steps to publish android app. | 09 | L2 | CO4 |
| | b) | Elaborate cursor in android. | 09 | L6 | CO4 |

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c) Build Database Schema using model class for following details. 09 L3 CO4

Database Name: college

Table Name : student

Fields: rollno INTEGER Primary Key

name TEXT

address TEXT

age INTEGER

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