B. C. A. (Sem. VI) (CBCS) (W.E.F. 2016) Examination

March – 2022

CS-31 : Mobile Computing Using Android And Iphone

Faculty Code : 003
Subject Code : 1036001

Time : $2\frac{1}{2}$ Hours]   [Total Marks : **70**

1   (A)   Answer the following :   **4**
         (1)   SDK stands for _____
         (2)   OHA stands for _____
         (3)   DVM stands for _____
         (4)   AVD stands for _____

     (B)   Answer any **one** in brief :   **2**
         (1)   Usage of Context?
         (2)   Usage of Intent filter

     (C)   Answer any **one** in detail :   **3**
         (1)   Explain type of Android resources
         (2)   Explain Android Manifest File

     (D)   Answer any **one** :   **5**
         (1)   Activity life cycle with example
         (2)   Write a note on Android Architecture

2   (A)   Answer the following :   **4**
         (1)   _____ is a view similar to the dropdown list.
         (2)   The _____ class is the superclass for all GUI components in Android.
         (3)   _____ widget is used to show progress of a task.
         (4)   _____ widget is used to display image in the android.

(B) Answer any **one** in brief :   **2**
    (1) Explain Toast class
    (2) Explain Log cat

(C) Answer any **one** in detail :   **3**
    (1) Text View v/s Edit Text
    (2) Image View V/s Image Button

(D) Answer any **one** :   **5**
    (1) Develop an android app to demonstrate table layout.
    (2) Develop an android app to send student details in another activity.

3 (A) Answer the following :   **4**
    (1) API stands for _____
    (2) _____ interface is used to write (edit) data in shared preference.
    (3) _____ database is used in mobile devices to manage data tables.
    (4) _____ contains the result set of a query made against a database in Android.

(B) Answer any **one** in brief :   **2**
    (1) Explain Preference Editor
    (2) Explain External storage

(C) Answer any **one** in detail :   **3**
    (1) Internal V/s External Storage
    (2) Public files V/s Private files

(D) Answer any **one** :   **5**
    (1) Develop an android app to define shared preferences.
    (2) Develop an android app to perform SQLite with CRUD operation.

4 (A) Answer the following :   **4**
    (1) GPS stands for _____
    (2) LBS stands for _____
    (3) JSON stands for _____
    (4) _____ can perform long-running operations in the background.

  (B) Answer any **one** in brief :   **2**
    (1) Explain types of Network Provider
    (2) Explain Criteria?

  (C) Answer any **one** in detail :   **3**
    (1) Usage of Location Manger
    (2) Activity V/s Service

  (D) Answer any **one** :   **5**
    (1) Develop an android app to retrieve current Location.
    (2) Write a note on GeoCoder class.

5 (A) Answer the following :   **4**
    (1) MVC stands for _____
    (2) DLL stands for _____
    (3) Apple uses _____ to represent apps, frameworks, plug-ins etc.
    (4) IDE stands for _____

  (B) Answer any **one** in brief :   **2**
    (1) Explain Buttons in X-code
    (2) Explain Text field in X-code

  (C) Answer any **one** in detail :   **3**
    (1) MVC Architecture
    (2) COCOA Touch

  (D) Answer any **one** :   **5**
    (1) Write a note on Behavior of Controls in X-code
    (2) Static-Linked Lib. V/s Dynamic Shared Lib.