B. C. A. (Sem. VI) (CBCS) Examination

March - 2019

CS - 31 : Mobile Computing Using Android & Iphone

Faculty Code : 003
Subject Code : 1036001

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

1 (A) Attempt the following : 　　　　　　　　**4**
(1) APK file found in _____ folder.
(2) ADB stands for _____
(3) ADT stands for _____
(4) OHA stands for _____

(B) Attempt any **one** : 　　　　　　　　　**2**
(1) What is android?
(2) What is Toast class?

(C) Attempt any **one** : 　　　　　　　　　**3**
(1) What is Drawable?
(2) Explain AndroidManifest.xml.

(D) Attempt any **one** : 　　　　　　　　　**5**
(1) Explain Activity Life Cycle with Example.
(2) Explain Android Architecture.

2 (A) Attempt the following : 　　　　　　　　**4**
(1) _____ is a layout that organizes its children into a horizontal or vertical row.
(2) _____ displays the web pages.
(3) _____ allows the user to type text into your app.
(4) If you want to provide suggestions to users as they type, you can use _____.

(B) Attempt any **one** : 2
   (1) What is AutoCompleteTextView?
   (2) What is canvas?

(C) Attempt any **one** : 3
   (1) Explain DatePicker with Example.
   (2) Explain Progressbar with Example.

(D) Attempt any **one** : 5
   (1) Explain Simple Cursor Adaptor.
   (2) Explain different types of Layout in detail.

3 (A) Attempt the following : 4
   (1) Small collection of key values that you would like to save, you should use the _____ APIs.
   (2) Binary data is shared using the _____
   (3) To create temporary file in internal cache directory _____ is useful.
   (4) _____ returns a File representing an internal directory for your app.

   (B) Attempt any **one** : 2
   (1) Methods of data storage.
   (2) What is schema?

   (C) Attempt any **one** : 3
   (1) Create application to send text using whatsapp.
   (2) Explain SharedPreference with example.

   (D) Attempt any **one** : 5
   (1) Create an application to save file on Internal Storage.
   (2) Create an application on a given employee table to get user input and store it in application using SQL Helper :
      Fields like: empid, empname, empsalary
      Also perform read operation on the given table.

4 **(A)** Attempt the following : **4**

     (1) GPS stands for _____

     (2) LBS stands for _____

     (3) ANR stands for _____

     (4) Use the _____ method to issue the notification.

    (B) Attempt any **one** : **2**

     (1) What is Service?

     (2) What is webview?

    (C) Attempt any **one** : **3**

     (1) Explain Android Telephony API.

     (2) What is Notification? Explain Different types of notifications with example.

    (D) Attempt any **one** : **5**

     (1) Explain Geocoding location.

     (2) Write steps to publish your android application.

5 **(A)** Attempt the following : **4**

     (1) _____ is used as basic development language of iPhone app

     (2) The _____ is the user interface or what the user sees and interacts with.

     (3) _____ is an IDE containing a suite of software development tools developed by Apple.

     (4) MVC stands for _____

    (B) Attempt any **one** : **2**

     (1) What is Xcode?

     (2) What is Controls?

    (C) Attempt any **one** : **3**

     (1) Write a note on Cocoa Touch in iPhone.

     (2) Write a note on WC in iPhone.

    (D) Attempt any **one** : **5**

     (1) Explain XCode IDE in detail.

     (2) Explain Empty Application in iPhone.