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

March / April - 2020

CS - 31 : Mobile Computing using Android and iPhone

Faculty Code : 003

Subject Code : 003620

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

1   Answer the following questions :   **20**

   (1)   Which permission is required to Send SMS?

   (2)   What is Full form of DVM?

   (3)   NFC stands for?

   (4)   Widget is known as Tools. State True or False.

   (5)   What is Full form of GPS?

   (6)   ADT Stands For _____

   (7)   Which Editor are used for developing Android application?

   (8)   Which UI is used to display Text?

   (9)   Which folder contains layout and design related xml files?

   (10) Which OS comes in Android 2.1 ?

   (11) What is Activity in Android?

   (12) Which interface framework provided by Apple for building software applications for products like iPhone, iPad and iPod Touch?

   (13) Which Permission is required to access internet in applications?

   (14) Explain SQLITE.

(15) LBS Stands for _____

(16) Which permission is used to access contact from phone?

(17) What is Full form of DDMS?

(18) Which Layout that organize its children into signal horizontal or Vertical Row?

(19) Which permission is required to access SD Card?

(20) Write full form of JSON.

2 (A) Attempt the following : (Any **Three**)　　　　　　6

    (1) Explain GPS

    (2) Explain Intent.

    (3) Explain Raw HTML File.

    (4) What is Cocoa Touch ?

    (5) Explain Any TextFiled and TextView in Xcode

    (6) Explain JSON

(B) Attempt the following : (Any **Three**)　　　　　　9

    (1) Explain WebService

    (2) Explain LBS

    (3) Write a Step to Create AVD

    (4) What is Xcode ?

    (5) Write a Program to share data between activities.

    (6) Explain various Notifications.

(C) Attempt the following : (Any **Two**)　　　　　　10

    (1) Explain Manifest file and its common setting.

    (2) Explain Cursor with its method.

    (3) Write a Program to Create and Retrieve Shared Preference Value.

    (4) Write a Steps to Deploy .apk file.

    (5) Explain Broadcast Receiver in detail.

3   (A)   Attempt the following : (Any **Three**)   **6**

        (1)   Explain OHA

        (2)   Explain TextView, Spinner Control and EdiText.

        (3)   Explain Drawable

        (4)   Explain Toast with suitable example.

        (5)   Explain Following controls in details

            (i) CheckBox (ii) RadioButton

        (6)   What is DVM?

    (B)   Attempt the following : (Any **Three**)   **9**

        (1)   Explain WebView with example.

        (2)   Explain Network API.

        (3)   Explain Telephony API

        (4)   Explain Intent and Intent Filter.

        (5)   Explain Activity Life Cycle in detail

        (6)   Explain Android IDE

    (C)   Attempt the following : (Any **Two**)   **10**

        (1)   Explain Android Architecture in detail.

        (2)   Explain various Layouts in Android.

        (3)   Write a program to display records in ListView Control.

        (4)   Write Steps to create Sample Android Application.

        (5)   Write Steps to upload Application in Play Store.

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