

**B.C.A Semester - 6 (CBCS) Examination****May/June-2021 (OLD COURSE)****CS-31 MOBILE COMPUTING USING ANDROID AND IPHONE(CORE)****Time: 1:30 Hours****Marks: 42****Instructions:**

1. Figures to the right indicate marks.
2. There are five questions in the question paper.
3. Answer any three of the following questions.

- 
- Q.1(A) Attempt the following (04)
1. Write the full form of SDK
  2. What is a Fragment?
  3. What do you mean by an Intent?
  4. Define Activity
- Q.1(B) Answer the following (any one) (02)
1. What is Open Handset Alliance? Explain in brief.
  2. Write the basic use of Context in Android application
- Q.1(C) Answer the following(any one) (03)
1. Explain various Resources and their uses
  2. Write in brief : Android Services
- Q.1(D) Answer the following(any one) (05)
1. What is Android Manifest File? Which basic tasks does it perform?
  2. Explain with example : how to implement Broadcast Receiver
- Q.2(A) Attempt the following (04)
1. Define Tweened Animation
  2. \_\_\_\_\_ widget is used to select a Date
  3. What is linear layout?
  4. What is the basic use of RadioGroup Class?
- Q.2(B) Answer the following (any one) (02)
1. Write in brief : ProgressBar
  2. List various User Interface Screen elements
- Q.2(C) Answer the following(any one) (03)
1. What is Frame by Frame animation?
  2. Explain with example : EditText
- Q.2(D) Answer the following(any one) (05)
1. List various layouts. Explain any one with example
  2. Write an android application that shows the use of ImageButton
- Q.3(A) Attempt the following (04)
1. Name the built-in database of Android
  2. \_\_\_\_\_ method is used to insert data into table
  3. What is the basic function of Cursor class?
  4. What does Content Provider do?
- Q.3(B) Answer the following (any one) (02)
1. List various functions which can be carried out using SQLiteDatabase class
  2. List various ways in which we can store data in an Android App.

- Q.3(C) Answer the following(any one) (03)
1. Explain giving syntax : openOrCreateDatabase() method
  2. Write a code snippet to insert a new record in the android SQLite database
- Q.3(D) Answer the following(any one) (05)
1. Explain with required steps : how to create Content Provider in an Android App.
  2. List various SQLite storage classes. Explain any one in detail
- Q.4(A) Attempt the following (04)
1. Give full form of GPS
  2. What does a Location object represent?
  3. In a JSON file , square bracket ([]) represents a \_\_\_\_\_
  4. What is Geocoding?
- Q.4(B) Answer the following (any one) (02)
1. Explain in brief : Notifications
  2. Explain briefly : blinking lights
- Q.4(C) . Answer the following(any one) (03)
1. What is Web API? How it is useful in developing Android applications?
  2. Explain Android Telephony API
- Q.4(D) Answer the following(any one) (05)
1. Explain with example : how to get current location on an android app
  2. Write various steps to publish the Android Application
- Q.5(A) Attempt the following (04)
1. Name the Operating System used by iPhone
  2. Name a language suitable to develop apps to run on iPhone
  3. Write full form of MVC
  4. What is a framework?
- Q.5(B) Answer the following (any one) (02)
1. What is TextView Control? How it is used?
  2. List any six attributes of TextField
- Q.5 (C) Answer the following(any one) (03)
1. Write basic uses of X – Code
  2. Explain the use of Button control with example
- Q.5(D) Answer the following(any one) (05)
1. Explain Cocoa Touch in iOS
  2. Create an iOS app with a label and a textbox. Allow user to enter the text. Validate the text with the validation logic of your choice by clicking the “Validate” button.

\*\*\*\*\*