

**B.Sc.(IT) Semester - 6 (CBCS) Examination****March/April-2023 (OLD COURSE)****CS-31 MOBILE COMPUTING USING ANDROID(CORE)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Q.1(A) Answer following Questions. (04)
1. Give full form of DVM.
  2. State types of Intent.
  3. \_\_\_\_\_ method is called when activity is first created.
  4. The \_\_\_\_\_ file contains information of your package, including components of the application such as activities, services, broadcast receivers, content providers etc.
- Q.1(B) Answer Any One. (02)
1. Explain Application Context and Service.
  2. What is Activity?
- Q.1(C) Answer Any One. (03)
1. Explain Receiving and Broadcasting intent.
  2. Explain Android Manifest file.
- Q.1(D) Answer Any One. (05)
1. Explain Intent in detail.
  2. Explain Android Activity Lifecycle.
- Q.2(A) Answer following Questions. (04)
1. \_\_\_\_\_ class which is used to display text labels in Android.
  2. \_\_\_\_\_ can be pressed, or clicked, by the user to perform an action.
  3. \_\_\_\_\_ is a view group that aligns all children in either vertically or horizontally.
  4. \_\_\_\_\_ is graphics component in android which does the job of calling Draw method and drawing the shape.
- Q.2(B) Answer Any One. (02)
1. What is padding?
  2. What is ViewGroup?
- Q.2(C) Answer Any One. (03)
1. Explain Linear and Table Layout.
  2. Explain frame by frame animation.
- Q.2(D) Answer Any One. (05)
1. Explain Dialog with example.
  2. Explain following UI with example. ProgressBar, ListView, DatePicker, ImageButton.
- Q.3(A) Answer following Questions. (04)
1. To write to a shared preferences file, create a Shared Preferences. Editor by calling \_\_\_\_\_ on your shared Preferences.
  2. Insert data into the database by passing a \_\_\_\_\_ object to the insert() method.
  3. To read from a database ,use the \_\_\_\_\_ method.
  4. Binary data is shared using the \_\_\_\_\_

- Q.3(B) Answer Any One. (02)
1. Explain methods of data store.
  2. Explain internal storage.
- Q.3(C) Answer Any One. (03)
1. Explain rest API.
  2. Explain different methods of Shared Preferences
- Q.3(D) Answer Any One. (05)
1. Write program to read information from sqlite database.
  2. Explain how to share data between applications using Content Provider.
- Q.4(A) Answer following Questions. (04)
1. Give full form of LBS.
  2. Google provides Google Map and \_\_\_\_\_ API to integrate map in application.
  3. To set map type as satellite map, \_\_\_\_\_ is used.
  4. What is the return type of getDeviceID method?
- Q.4(B) Answer Any One. (02)
1. What is longitude and latitude?
  2. What is Geocoding?
- Q.4(C) Answer Any One. (03)
1. Explain Location Manager Class.
  2. Explain Android Telephony package.
- Q.4(D) Answer Any One. (05)
1. Write short note on Android Networking API.
  2. Write short note on Android Web API.
- Q.5(A) Answer following Questions. (04)
1. State different type of notification alerts given to user.
  2. State full form of JSON.
  3. Use an instance of the \_\_\_\_\_ class to define the properties of your status bar notification.
  4. Android application is uploaded at \_\_\_\_\_ Store.
- Q.5(B) Answer Any One. (02)
1. What is Notification in Android?
  2. Write steps how to set notification for vibrating phone.
- Q.5(C) Answer Any One. (03)
1. Write steps how to set blinking lights?
  2. Explain how to customize notification services?
- Q.5(D) Answer Any One. (05)
1. Write short note on how to publish android application.
  2. Write steps to develop application in JSON in mysql.

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