

B.Sc.(IT) Semester - 6 (CBCS) Examination**April/May-2022 (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) **Attempt Following** (04)
- 1) _____ is usually a single screen in your application.
 - 2) _____ method called when activity is becoming visible to the user.
 - 3) Android uses a special class called ____ to move from screen to screen.
 - 4) AVD stands for _____.
- Q.1(B) **Attempt any One** (02)
- 1) Explain OHA
 - 2) What is user-permission?
- Q.1(C) **Attempt any One** (03)
- 1) Explain android application resources hierarchy.
 - 2) Explain android terminology.
- Q.1(D) **Attempt Any One** (05)
- 1) Explain android activity life cycle with example.
 - 2) Explain how to receive and broadcast Intents.
- Q.2(A) **Attempt Following** (04)
- 1) Which widget used to display time?
 - 2) _____ is graphics component in android which does the job of calling Draw method and drawing the shape.
 - 3) Which layout work on the base of parent and child relationship.
 - 4) _____ shows a button with an image that can be pressed or clicked by the user.
- Q.2(B) **Attempt any One** (02)
- 1) Explain EditText widget in android.
 - 2) Explain Progressbar.
- Q.2(C) **Attempt any One** (03)
- 1) Explain Dialogs
 - 2) Explain Listview and GridView with example.
- Q.2(D) **Attempt Any One** (05)
- 1) Explain different layout in android
 - 2) Explain twined animation with example.
- Q.3(A) **Attempt Following** (04)
- 1) What is SQLite?
 - 2) How many method of data storage in android?
 - 3) Which permission requires writing data on external memory?
 - 4) Which is return type of hasNext method?
- Q.3(B) **Attempt any One** (02)
- 1) Explain different modes of Shared Preference
 - 2) Explain different storage API in android.
- Q.3(C) **Attempt any One** (03)
- 1) Write a program to display all record in ListView and delete any record.
 - 2) Explain different file mode.

- Q.3(D) **Attempt Any One** (05)
1) Write short note on SQLite with example.
2) Write a program to read and write in text file.
- Q.4(A) **Attempt Following** (04)
1) _____ method clears the content of Location.
2) Which widget used to display webpage in android application.
3) Which is return type of getDeviceId method?
4) Which permission require to access telephony API.
- Q.4(B) **Attempt any One** (02)
1) Explain mapping locations.
2) Explain latitude and longitude method.
- Q.4(C) **Attempt any One** (03)
1) Explain Geocoding location.
2) Explain Networking API.
- Q.4(D) **Attempt Any One** (05)
1) Explain webview with example.
2) Write short note on telephony API.
- Q.5(A) **Attempt Following** (04)
1) Full Form of JSON.
2) In which store android app publish?
3) State various ways through which user get notification alert.
4) Which permission requires to vibrate a phone?
- Q.5(B) **Attempt Any One** (02)
1) Explain blinking the lights.
2) Explain getSystemService method.
- Q.5 (C) **Attempt Any One** (03)
1) Write a program to demonstrate vibrate the phone.
2) Explain Notification Manager.
- Q.5(D) **Attempt Any One** (05)
1) Write a program to read JSON data with mysql database.
2) Write a step how to publish android application on Google play store.
