

M.Sc.(IT & CA) Semester - 2 (CBCS) Examination**March/April – 2024 (As Per Syllabus Year-2018)****APPLICATION DEVELOPMENT USING ADVANCED 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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- Que.1(A) Answer The Following Question (Only Three) (03)
- 1) ____ is View hierarchies that control screen format and appearance of the views.
 - 2) ____ is an auto-generated file by aapt that contains resource IDs for all the resources of res/ directory.
 - 3) ____ method sets system's wall clock time
- Que.1(B) Answer The Following Question (Any Two) (06)
- 1) Explain manifest.xml file.
 - 2) Explain Array and Array List adaptor.
 - 3) Explain how to record and play audio.
- Que.1(C) Answer The Following Question (Any One) (05)
- 1) Write short note on views.
 - 2) Write short note on Camera API for capturing and displaying image with mode setting and zooming
- Que.2(A) Answer The Following Question (Only Three) (03)
- 1) Which is the basic database of android.
 - 2) What is the role of SQ Lite Open HelperClass?
 - 3) Which class is used for generating notification?
- Que.2(B) Answer The Following Question (Any Two) (06)
- 1) Explain shared preference with example.
 - 2) How to generate notification in android.
 - 3) Explain in detail content provider
- Que.2(C) Answer The Following Question (Any One out of Two) (05)
- 1) Write a code to generate notification in android app when user clicks on button.
 - 2) Explain broadcast receiver.
- Que.3(A) Answer The Following Question (Only Three) (03)
- 1) Which permission needs to use to access WIFI.
 - 2) What is the use of Bluetooth in Android?
 - 3) Which class provide sensor in android?
- Que.3(B) Answer The Following Question (Any Two) (06)
- 1) What is Web Services and How it is useful in Android?
 - 2) Write a Code to Check Whether the Bluetooth is ON of OFF.
 - 3) Write a Code to Start Bluetooth.

- Que.3(C) Answer The Following Question (Any One) (05)
- 1) Orientation Sensors with suitable example.
 - 2) Explain Sensor Event Listener interface with suitable example.
- Que.4(A) Answer The Following Question (Only Three) (03)
- 1) Which permission is required for Bluetooth service?
 - 2) Which permission is required for Accessing internet?
 - 3) Write a full form of JSON.
- Que.4(B) Answer The Following Question (Any Two) (06)
- 1) Write a code to pair two device using Bluetooth.
 - 2) Create a small program to check network connection.
 - 3) What is JSON parsing explain in detail.
- Que.4(C) Answer The Following Question (Any One) (05)
- 1) Explain WI-FI connection.
 - 2) Explain advantages of Bluetooth service
- Que.5(A) Answer The Following Question (Only Three) (03)
- 1) _____ callback method is used for receiving notifications from the Location Client when the location has changed.
 - 2) _____ is the process of transforming a street address or other description of a location into a (latitude, longitude) coordinate.
 - 3) _____ is a Container to be used to draw graphics in android
- Que.5(B) Answer The Following Question (Any Two) (06)
- 1) Explain how to find current location.
 - 2) Explain Map Overlays.
 - 3) Explain 2D Animation.
- Que.5(C) Answer The Following Question (Any One) (05)
- 1) How to distribute Android app via google play store.
 - 2) Explain how to work with bitmap and shapes.
