

B.C.A Semester - 6 (NEP-2020) Examination**March/April-2026****Mobile Programming Using Android (Java) (Theory) (Major-14)****Time: 2:00 Hours****Marks:50****Instructions:**

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

-
- Que.1 Answer the following questions (Any Two) (10)
- 1) Write short note on android activity lifecycle.
 - 2) Explain about android SDK and SDK tools.
 - 3) Explain AndroidManifest.xml in detail with all important tags.
 - 4) Write steps to create simple android application "Hello World".
- Que.2 Answer the following questions (Any Two) (10)
- 1) Explain Button, EditText and TextView.
 - 2) Explain ListView and GridView.
 - 3) Explain RelativeLayout with Example.
 - 4) Write note about Dialogs.
- Que.3 Answer the following questions (Any Two) (10)
- 1) Explain Content Providers Sharing Data.
 - 2) Write about SQLite commands Insert, Update, Delete and Select.
 - 3) Write steps to integrate google map in android.
 - 4) Explain Exception Handling and Debugging.
- Que.4 Answer the following questions (Any Two) (10)
- 1) Explain RESTful API in detail.
 - 2) Write about Android web API.
 - 3) Write steps for publish android application in Google Play.
 - 4) Explain Unit testing in android.
- Que.5 Answer the following questions (Any Two) (10)
- 1) Explain Structure of an Android Application.
 - 2) Explain LinearLayout with Example.
 - 3) Write about SharedPreferences.
 - 4) Explain Instrumentation testing in android.
