

RAN-2611001006033001

B.Sc. (Computer Science) (NCE-NEP) (Sem. VI) Examination March - 2026 Major 3 - Mobile Application Development (TH) (New)

Time: 1 Hour]

[Total Marks: 25

સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book.

Seat No.:

Student's Signature

Q. 1 Answer the following Questions: (Any 5)

(05)

- Android is based on which kernel?
 - Windows
 - Linux
 - Unix
 - DOS
- The entry point of Android app is:
 - Service
 - Activity
 - Intent
 - Broadcast
- Spinner is used for:
 - Button
 - Dropdown list
 - Layout
 - Database
- Define AVD and Gradle.
- Difference between Stateless and Stateful widget.
- What is Android Manifest file?

Q. 2 Answer the following:

(10)

- Explain Android architecture with diagram.
- Write detailed note on the Android Activity Life Cycle with a diagram and explain each state transition.

OR

Q. 2 Answer the following:

(10)

- Write a detailed note on features of Android.
- Explain Android Manifest File and its basic settings in android.

Q. 3 Answer the following:

(10)

- Explain RadioButton and CheckBox controls with its methods.
- Explain any two stateless widgets in Flutter.

OR

Q. 3 Answer the following:

(10)

- Explain CRUD operations in SQLite database with suitable syntax and examples.
- What is Flutter? Explain its advantages and disadvantages.