COPY

Sixth Semester B.C.A Degree Examinations

MAY/JUNE 2026

(CBCS NEP Scheme)

PAPER NBF 0250: MOBILE APPLICATION DEVELOPMENT

(Elective – 2)

Time: 2 hrs] *[Max. Marks: 60*

Instructions:

1. ***The Students should legibly write Section number along with question numbers within the margin ONLY.***
2. ***The answer without Section number and question numbers will not be valued.***
3. ***Draw neat and labelled diagram wherever necessary.***
4. ***Section – I multiple Choice Questions should be answered in the first page of main answer book and same questions shall not be answered repeatedly.***
5. ***Any identifications like marking, ticking, dots etc., in the options of MCQ (Section – I) on the question paper is strictly prohibited. Do not write anything (except register number) on the question paper.***

SECTION – I

I. Select the most appropriate answer from the options provided: $10 \times 1 = 10$

I - 1) Which component of Android provides tools and libraries for app development?
a) SDK b) JVM c) BIOS d) API Manager

I - 2) What is the main purpose of an Android Virtual Device (AVD)?
a) Design UI b) Test applications without a real device
c) Store data d) Compile code

I - 3) Which Android component is used to send messages between components?
a) Activity b) Intent c) Layout d) Resource

I - 4) Which Android component responds to broadcast messages from the system or other apps?
a) Service b) Broadcast Receiver
c) Activity d) Fragment

Contd..... 2

I - 5) Which layout allows positioning of UI elements relative to other elements?
a) Linear Layout b) Relative Layout c) Table Layout d) Frame Layout

I - 6) Which Android feature is used to add movement or visual effects to UI components?
a) Animation b) Intent
c) Service d) Provider

I - 7) Which file format is generated when an Android application is built for installation?
a) APK b) EXE
c) DOC d) TXT

I - 8) Which tool in Android Studio helps manage project dependencies and build configuration?
a) Gradle b) Emulator
c) Logcat d) SDK Manager

I - 9) Which Android component is used to manage structured data in a database?
a) SQLite b) HTML
c) XML d) JSON

I - 10) Which API is used in Android to access internet resources?
a) Networking API b) Storage API c) Media API d) Location API

SECTION – II

II. Answer any FIVE of the following: 5 × 3 = 15

II - 1) Explain the features of the Android Operating System.

II - 2) Briefly explain any three Best practices for Android Development.

II - 3) What are permissions in Android applications?

II - 4) What is an Intent in Android? Explain activity intent.

II - 5) Explain User Interface screen elements in Android.

II - 6) What is Android Manifest file? Explain it's common Settings.

II - 7) Explain the process of testing an Android application.

II - 8) Write a short note on SQLite database in Android.

Contd..... 3

SECTION – III

III. Answer any THREE questions from the following: 3 × 5 = 15

III - 1) Explain the different types of Android applications.

III - 2) Explain Activities and their role in Android applications.

III - 3) Describe Views and Widgets used in Android UI design.

III - 4) How Android applications are published. Describe.

III - 5) Explain using of Android Data and Storage APIs

SECTION – IV

IV. Answer the following: 2 × 10 = 20

IV - 1) a) Explain the architecture of the Android operating system. Describe all its layers. (10)

OR

b) Explain the main components of an Android application. Describe Activity, Service, Broadcast Receiver, and Content Provider with examples. (10)

IV - 2) a) Explain Android User Interface design. Discuss different layouts and Drawing used in Android applications. (10)

OR

b) Write a note on application deployment and maintenance. (10)

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