

GYANMANJARI INNOVATIVE UNIVERSITY

GYANMANJARI INSTITUTE OF TECHNOLOGY

B.Tech.-Mid Semester Examination (MSE)- S2026

Enrollment No.: _____

Subject Code: BETCE14309

Date: 28-03-2026

Subject Name: Basics of Mobile Application Development

Semester: 4th

Time: 02:30 to 04:30

Total Marks: 60

Instructions:

1. Question No. 1 is compulsory.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

	Marks
Q.1 (a) Explain the features of Android Operating System.	05
(b) Explain Android application components (Activity, Service, Broadcast Receiver, Content Provider) in detail.	05
(c) Describe the basic architecture of Android	10
Q.2 (a) Explain Activity Life Cycle in detail.	05
(b) What is Fragment? Explain any four life cycle methods.	05
OR	
(b) What is Intent? Explain types of Intent with example.	05
(c) Write code of xml and java to design an app that display simple interest.	10
OR	
(c) Design an app that do simple calculation (addition, multiplication, subtraction and division). Write code of xml and java file.	10
Q.3 (a) Explain different Android layouts: LinearLayout, RelativeLayout and TableLayout.	05
(b) Explain SharedPreferences and SQLite database in Android..	05
(c) Explain the steps for signing and publishing an Android application.	10
OR	
Q.3 (a) Explain working with Google Maps in Android.	05
(b) Explain Geocoding and Reverse Geocoding..	05
(c) Explain Room Persistence Library and its advantages over SQLite..	10