



PRESIDENCY UNIVERSITY

BENGALURU

End - Term Examinations – May / June 2026

Date: 20- 05-2026

Time: 01:00pm – 04:00pm

School: SOCSE	Program: CSE, IOT	
Course Code: CSE2505	Course Name: Mobile Application Development	
Semester: VI	Max Marks: 100	Weightage: 50%

CO - Levels	C01	C02	C03	C04	C05
Marks	24	24	24	14	14

Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 2marks.

10Q x 2M=20M

1.	What is the role of an Emulator in Android application development?	2 Marks	L2	C01
2.	Name the lifecycle methods of an Activity.	2 Marks	L1	C01
3.	What is View group?	2 Marks	L1	C02
4.	What is fragment?	2 Marks	L1	C02
5.	Define system broadcast and custom broadcast.	2 Marks	L2	C03
6.	What is the role of a Content Provider in Android?	2 Marks	L2	C03
7.	What is the role of registerReceiver() and unregisterReceiver() in a Broadcast Receiver?	2 Marks	L2	C04
8.	State the usage of IntentFilter?	2 Marks	L2	C04
9.	What is the purpose of the Interpolator class in Android animations?	2 Marks	L2	C05
10.	Difference between onDestroy() and onDetach() method.	2 Marks	L4	C05

Part B

Answer the Questions.

Total Marks 80M

11.	a.	Explain the Architecture of Android Mobile Operating System with Diagram.	20 Marks	L2	C01
	b.	Explain the components of Android Application.		L2	C01
Or					
12.	a.	Explain the features Android Mobile Phones and challenges of Android app development?	20 Marks	L2	C01
	b.	With a neat diagram explain the Android Activity Lifecycle?		L2	C01

13.	a.	Explain the Android Fragments Lifecycle with Diagram.	20 Marks	L2	C02
	b.	Explain the concept of Intent in Android application development. Discuss its purpose and types with sample code.		L3	C02
Or					
14.	a.	Differentiate the type of Intent with proper Code and example.	20 Marks	L4	C02
	b.	Write short note on Linear layout, Relative layout, frame layout and constraint layout.		L2	C02

15.	a.	Define a Service in Android. Explain the Service Life Cycle in detail.	20 Marks	L2	C03
	b.	Explain the different types of Services in Android. Illustrate each type with a suitable example and mention the necessary functions used to start and stop them.		L3	C03
Or					
16.	a.	What is the purpose of Broadcast in Android? Explain the two ways of registering a Broadcast Receiver with suitable code.	20 Marks	L3	C03
	b.	Explain the different types of broadcasts and elaborates the sendBroadcast methods.		L3	C03

17.	a.	Explain the concept of shared preferences? Explain with example code.	20 Marks	L3	C04
	b.	Illustrate the animation technique concept and explain in details the type of it.		L2	C05
Or					
18.	a.	How to create database using SQL helper and explain the required function to perform important task.	20 Marks	L3	C04
	b.	Write a Short note on Sending a Email and Location-Based Services		L2	C05