

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2026
(Fifth Semester)

Branch – COMPUTER SCIENCE WITH DATA ANALYTICS

MOBILE APPLICATION DEVELOPMENT

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	The heart of Android OS is _____. a) Application Managers b) Linux kernel c) DVM d) Java libraries	K1	CO1
	2	Permissions for an application are set in the _____ file. a) R.java b) permission.java c) AndroidManifest.xml d) layout.xml	K2	CO2
2	3	The _____ method is used to modify the existing fragment to a new fragment. a) remove b) change c) replace d) modify	K1	CO1
	4	Data can be passed between target components of an Intent by making use of a _____ object. a) State b) Instance c) Bundle d) Data	K2	CO2
3	5	Scroll View can have _____ number of child view(s). a) only one b) any c) at least two d) zero	K1	CO1
	6	The _____ attribute defines whether a menu item should appear in the Action Bar or not. a) android:visible b) android:icon c) android:onClick d) android:showAsAction	K2	CO2
4	7	Drop-down list is created using a _____. a) DropDown b) Spinner c) SelectItem d) CompoundList	K1	CO1
	8	Suggestions based on user input are shown when _____ is used. a) ExpandableList b) TextSwitcher c) ArrayAdapter d) AutoCompleteTextView	K2	CO2
5	9	Images with animations are supported by _____. a) ImageView b) ImageSwitcher c) AnimationView d) ScrollView	K1	CO1
	10	_____ is an optional container for a menu item. a) group b) menu c) item d) container	K2	CO2

Cont...

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Analyze the primary reason for Android being the most popular mobile OS?	K4	CO2
		(OR)		
	11.b.	Simplify and explain with an example how a Process Dialog can be added to an application.		
2	12.a.	Examine the lifecycle of a Fragment.	K4	CO3
		(OR)		
	12.b.	Dissect the logic behind collisions in Intents. How are they resolved?		
3	13.a.	Explain how state information is retained during change of screen orientation.	K5	CO2
		(OR)		
	13.b.	Support with an example, how an Action Bar with three options: cut, copy and paste can be created in Android.		
4	14.a.	Justify the usage of Date Picker view with an example.	K5	CO3
		(OR)		
	14.b.	Assess the usage of compound buttons.		
5	15.a.	Describe the usage of various Clock views available in Android.	K6	CO4
		(OR)		
	15.b.	Elaborate the working of a Context Menu with an example.		

SECTION -C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks (3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Examine the Activity lifecycle in detail.	K4	CO2
2	17	Compare and contrast Implicit and Explicit Intents in Android with sufficient examples.	K4	CO3
3	18	Defend the usage of View Groups in activities with multiple views.	K5	CO2
4	19	Explain the process of creating and using a List Fragment in detail.	K5	CO3
5	20	Create animations using Image Switcher and explain the steps involved.	K6	CO5

Z-Z-Z END