

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI - 600 086
(For candidates admitted during the academic year 2023 – 2024)

B. C. A. DEGREE EXAMINATION, APRIL 2026
SIXTH SEMESTER

COURSE : MAJOR ELECTIVE
PAPER : MOBILE APP DEVELOPMENT FOR ANDROID
SUBJECT CODE : 23CS/ME/MA45
TIME : 1 ½ HOURS **MAX. MARKS : 50**

Q.No.	SECTION – A	CO	CL
Answer all the questions		(10 X 1=10)	
1 (i)	_____ information is not included in the manifest file. a) Activities b) Permissions c) SDK version d) Handset model	CO1	K1
(ii)	The _____ method is called for an activity when another activity gets into foreground. a) onStop() b) onPause() c)onDestroy() d)onExit()	CO1	K1
(iii)	An intent used to start a specific component is called_____ a) Implicit intent b) Explicit intent c) Service intent d) Broadcast intent	CO1	K1
(iv)	_____ class is used to move through the results of a database query. a) ResultSet b) Cursor c) Adapter d) Intent	CO1	K1
(v)	_____ Android feature converts speech into text. a) Text-to-Speech b) Speech Recognition c) Voice Manager d) Audio Decoder	CO1	K1
2 (i)	The Android application package file has the extension _____.	CO1	K1
(ii)	_____ layout arranges the User Interface (UI) elements in a single direction.	CO2	K2
(iii)	_____ class is used to move through the results of a database query.	CO2	K2
(iv)	The service of translating from Longitude and Latitude to a readable address is _____.	CO2	K2
(v)	The Android component used to show alerts in the status bar is called a _____.	CO2	K2
SECTION – B			
Answer all the questions:		(5 X 2 =10)	
3	What is the advantage of Dalvik Virtual machine?	CO1	K1
4	Define views and view groups.	CO1	K1
5	Outline the file methods used for reading from and writing into a file in android device.	CO2	K2
6	Explain shared preference.	CO2	K2
7	Explain screen density in Android.	CO2	K2

SECTION – C**Answer all the questions:****(6 X 5 =30)**

8	a) Recall the Android architecture with its layers and explain. (OR) b) Define the anatomy of an Android application and explain.	CO1	K1
9	a) Explain the activity lifecycle with a diagram. (OR) b) Explain in detail about action bar.	CO2	K2
10	a) Make use of suitable syntax and explain the SQLite operations create, insert and delete with a suitable example. (OR) b) Apply any two event handling functions in a suitable example and explain.	CO3	K3
11	a) Identify and explain the different types of notifications with appropriate syntax. (OR) b) Make use of rules for ensuring application compatibility and explain its purpose.	CO3	K3
12	a) Examine the role of fragments in Android applications. (OR) b) Analyse the working of location-based services and how to select a location provider.	CO4	K4
13	a) Examine different types of layouts used in Android UI. (OR) b) Analyse and explain the implementation of Speech Recognition in Android applications.	CO4	K4
