PRN:		Course Code:	BCA303

Third Year **B.C.A.** End Semester Examination Winter 2023

Mobile Application Development

Day and Date: Friday, 01/12/2023 Max Marks: **100**

Time: 10.30 am to 1.30 pm Duration: **03**hrs

Instructions: All questions are compulsory.

			Marks	Bloom's Level	CO
Q.1		**Attempt the following**			
	a)	Explain Architecture of android with a neat diagram.	08	L2	CO1
	b)	What are the elements of AndroidManifest.xml file.	08	L1	CO1
		OR			
	b)	Develop an android application to accept temperature of the day in Celsius and convert it to Fahrenheit [Formula: $F = (9/5 \times C) + 32$].	08	L3	CO1
Q.2		**Attempt the following**			
	a)	List and explain the types of Intent?	08	L4	CO2
	b)	Determine the steps to make an application that prints "hello world" on an android device. State the purpose of Main Activity file and XML file.	08	L5	CO2
		OR			
	b)	What is Layout. Explain Linear Layout in detail.	08	L1	CO2
Q.3		**Attempt any two from the following**			
	a)	Explain the use of RadioButton, and RadioGroup Views in android.	08	L2	CO2
	b)	Explain Implementation of Image View and Spinner.	08	L2	CO1
	c)	How to build theToast.	08	L3	CO2
Q.4		**Attempt any two from the following**			
	a)	Identify and explain the use of Shared Preferences.	08	L3	CO3
	b)	Explain how to store data on Internal Storage. When to use Internal Storage?	08	L2	CO3
	c)	Identify the ways to store data in Android? What are the file access modes?	08	L3	CO3
Q.5		**Attempt anyTwo of the following**			
	a)	Explain how to implement option menu in android.	09	L2	CO1
	b)	How to implement Context menu in android?	09	L6	CO3
	c)	What do you mean by menu? explain elements to define menu.	09	L6	CO3
Q.6		**Attempt anyTwo of thefollowing**			

ESE

a)	What is SQLite database? List and explain methods of SQLite Database	09	L1	CO1
b)	Summarize cursor in android.	09	L6	CO4
c)	Explain methods of SQLite Open Helper class	09	L2	CO1

*****

ESE