PRN:		Course Code :	BCA303

THIRD Year **B.C.A.** End Semester Examination Winter 2022

Mobile Application Development

Day and Date: Wed,14-12-2022 Max Marks: **100**

Time: 2:00 PM-5:00PM Duration: **03** hrs

Instructions: All questions are compulsory.

			Marks	Bloom's Level	CO
Q.1		**Attempt the following**			
	a)	State and explain various stages of Activity Lifecycle.	08	L2	CO1
	b)	What is android SDK? Explain its components.	08	L1	CO1
		OR			
	b)	Develop an android application to accept a username as "sys" and password as "admin" in suitable control and if it is valid then display a message "Welcome!" else display a message "Invalid Login!"	08	L3	CO1
Q.2		**Attempt the following**			
	a)	Determine the role of XML in android. Also Comment on Views	08	L5	CO2
	b)	Illustrate the concept of Logging in android.	08	L2	CO2
		OR			
	b)	Define Layout. Explain Relative Layout with suitable example.	08	L1	CO2
Q.3		**Attempt any two from the following**			
	a)	Develop an android application to implement DatePickerView	08	L3	CO2
	b)	Identify and explain Event Listeners used to handle event in android.	08	L3	CO2
	c)	How to implement alert dialog in Android?	08	L1	CO2
Q.4		**Attempt any two from the following**			
	a)	Explain Shared Preferences.	08	L2	CO3
	b)	Identify how to store data on External Storage privately. When to use External Storage?	08	L3	CO3
	c)	Identify and explain the use of FileInputStream and FileOutputStream class used for file handing in Android.	08	L3	CO3
Q.5		**Attempt any Two of the following**			
	a)	Explain menu in android? Elaborate the elements and its attributes used to define menu.	09	L2	CO3
	b)	How to implement Context menu in android.	09	L1	CO3
	c)	List and explain various types and methods of Google Maps.	09	L4	CO3

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Q.6 **Attempt any Two of the following**

a)	Explain steps to publish android app.	09	L2	CO4
b)	Summarize cursor in android.	09	L2	CO4
c)	Develop a database schema using model class for following details.	09	L3	CO4

Database Name: company

Table Name : employee

Fields: empid INTEGER Primary Key

empname TEXT

address TEXT

salary INTEGER

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