CERTIFICATE IN MOBILE APPLICATION DEVELOPMENT (CMAD)

Term-End Examination June, 2022

	BCS-093: INTRODUCTION TO ANDROID					
Time: 3 hours Maximum Mark			es : 75			
Note: Question no. 1 is compulsory. Answer any three questions from the rest.						
1.	(a)	List any five categories of Android Applications in the market. For each category, write the name of an existing Mobile App as an example.	10			
	(b)	What is a Hardware Abstraction Layer (HAL)? List any four of its components.	10			
	(c)	What is an Activity Stack? Explain it with the help of a diagram.	10			
2.	(a)	What are "Broadcast Receivers" and "Content Providers"? Explain.	10			
	(b)	What is an "Application" class? What is its significance?	5			

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3.	(a)	Explain any five input controls available on a mobile app's user interface.	10
	(b)	Explain the process of designing a user interface with layout editor.	5
4.	(a)	What is meant by "Debugging"? What is the process of debugging an Android Mobile App?	10
	(b)	List any five Video formats that are supported by Android.	5
5.	(a)	Write a short note on "Shared Preferences" class. Make necessary assumptions.	10
	(b)	List any five best practices for accessing and using sensors.	5