ADAMAS UNIVERSITY
END SEMESTER EXAMINATION
(Academic Session: 2020 – 21)

Name of the Program:	MCA	Semester:	II
Paper Title:	Mobile Application using Android/IoS	Paper Code:	CSE21908
Maximum Marks:	50	Time Duration:	3 Hrs
Total No. of Questions:	17	Total No of Pages:	2
(Any other information for the student may be mentioned here)	**1.** At top sheet, clearly mention Name, Univ. Roll No., Enrolment No., Paper Name & Code, Date of Exam. **2.** All parts of a Question should be answered consecutively. Each Answer should start from a fresh page. **3.** Assumptions made if any, should be stated clearly at the beginning of your answer.		

Group A Answer All the Questions (5 x 1 = 5)			
1	If Android app is developed using SDK, then IOS is developed using what?	U	CO1
2	Which plug-in is required for Eclipse?	U	CO2
3	HTML is used for organizing the app layout. True or False?	Ap	CO3
4	Usually, which OOP language is used for Android app development?	R	CO4
5	Which query language is used for database creation in both Android & IOS?	R	CO5
Group B **Answer All the Questions (5 x 2 = 10)**			
6 a)	What is a Fragment?	R	CO1
(OR)			
6 b)	What is an Activity?	R	CO1
7 a)	What are the essential states of an Activity in Android?	U	CO2
(OR)			
7 b)	What are the essential states of an Activity in IOS?	U	CO2
8 a)	Explain the utilities of a Layout.	U	CO3
(OR)			
8 b)	Mention the purpose of Intent.	U	CO3
9 a)	Explain the role of Manifest in Android.	U	CO4
(OR)			
9 b)	How does Resources help in app development?	U	CO4
10 a)	Implement MainActivity.java for Android "Hello World" App.	Ap	CO5
(OR)			
10 b)	Implement the code for LMAViewController in IOS "Hello World" App.	Ap	CO5
Group C **Answer All the Questions (7 x 5 = 35)**			
11 a)	What are the features of Android?	U	CO1
(OR)			
11 b)	What is the importance of XML-based layouts?	U	CO1
12 a)	Explain Android Architecture.	R	CO2
(OR)			
12 b)	Explain XCode framework for IOS.	R	CO2
13 a)	Describe the installation procedure for app development in Android.	U	CO3

	(OR)		
13 b)	Describe the installation procedure for app development in XCode.	**U**	**CO3**
14 a)	Briefly explain with examples of how Android/IoS apps help the general public in their day-to-day lives.	**U**	**CO4**
	(OR)		
14 b)	What are the benefits of Android being available in open source platforms?	**U**	**CO4**
15 a)	Explain the setting of an Emulator.	**Ap**	**CO4**
	(OR)		
15 b)	Explain the integration procedure with Google Maps.	**Ap**	**CO4**
16 a)	Create the XML layout of a basic "Hello World" app.	**Ap**	**CO5**
	(OR)		
16 b)	Mention the different steps involved in creating a new Android project.	**U**	**CO5**
17 a)	Write the Java code for the Save button in Android.	**Ap**	**CO5**
	(OR)		
17 b)	Write the Java code for the Toggle button in Android.	**Ap**	**CO5**

Note: The Sample prepared by assuming 5 COs in a course, considering one CO for one Module.

    i)   If the COs are higher in numbers that can be managed by equating sub-divisional questions

    ii)   If the COs are lower in numbers, the questions can be increased by equating the number of COs