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(16/A-12)

## SARDAR PATEL UNIVERSITY MASTER OF COMPUTER APPLICATIONS

## $\boldsymbol{SEMESTER-V}$

## PS05EMCA03 - Application Development for the Android Platform Tuesday 16<sup>th</sup> April 2019

			J	1		
Time	e: 10:	:00 am to 1:00 pm		Max. Marks	: 70	
Q-1	Cho	ose the most appropriate option for	each qu	estion:	[8]	
_	To which repository is the source code for Android released?					
	A)	OHA	B)	AOSP		
	C)	Google	D)	None of these		
2.	Which library is used for 2D and 3D graphics in Android?					
	A)	SQLite	B)	OpenLite		
	C)	OpenGL	D)	LiteGL		
3.	Whi	ch of the following is not a method in				
	A)	onExit()	<b>B</b> )	onPause()		
	C)	onDestroy()	D)	onStop()		
4.		ch of the following is the runtime used				
	A)	SDK	B)	API		
_	<b>C</b> )	Class library	D)	ART		
5.		ch of the following can be used to test				
	A)	AVD	B)	ADB ABD		
	C)	ADV	D)	ADD		
0.		ch of the following is not an Android RelativeLayout	B)	LinearLayout		
	A) C)	TableLayout	D)	None of these		
7		ch of the following method of SO				
	7. Which of the following method of SQLiteOpenHelper is used to obtain an instance of the SQLiteDatabase object?					
	$\tilde{A}$	openDatabase()	B)	newDatabase()		
	C)	getWritableDatabase()	D)	getDatabase()		
8.	3. Which method is used to get access to various manager objects?					
	A)	getSystem()	B)	getSystemService()		
	C)	getService()	D)	getServiceSystem()		
O-2	O 2 A remove the following questions (Any Soyon):					
_	-2 Answer the following questions (Any Seven):					
	1. Which database management system is used by Android apps? Explain its name.					
	•	lain Android version number, name a				
			d develo	pment? On which Java IDE is it based?		
		at advantages do resources provide?		• • •		
5.	. What is an activity in Android? Which of the currently active activity can interact with the user?					
6.	. Define broadcast messages and broadcast receivers.					
7.	. Which class is used to send an SMS? Which permission is needed for the same?					
	3. What is the difference between menu and context menu?					
	What is the full form of GPS? How does it work?					
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Q-3	<b>,</b>	
A.	List and explain the events in the Android activity lifecycle.	[6
	List and describe different resource types in Android in brief.	[6]
	OR	<b>.</b> .
В.	Explain database access in Android.	[6]
Q-4		
A.	Explain the use of ListView and Adapter.	[6]
В.	Write a short note on content providers and their applications.	[6]
	OR	
В.	Describe any six Android views.	[6]
Q-5		
A.	Write a short note on intents in Android.	[6]
В.	Explain the use of layouts in Android. Explain any two layouts in brief.	[6]
	OR	ξ-,
В.	Write a short note on the AsyncTask class.	[6]
Q-6		
A.	List the contents of the Android manifest file.	[6]
В.	Explain Cursors, LoaderManager and cursorLoader.	[6]
	OR	[~]
В.	Write short notes on animation and geolocation in Android.	[6]