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SARDAR PATEL UNIVERSITY MASTER OF COMPUTER APPLICATIONS SEMESTER - V

COURSE PS05EMCA03 (Application Development for the Android Platform)
Friday November 2nd 2018

		I Hady Novellia	,012 2020	
Tim	ne: 2:00 pm to 5:00 pm		Max. Marks: 70	
Q-1	Choose the most appropria	ate option for each qu	estion: [8]	
	Android is based on -			
1.	A) Linux compiler	В) .	Linux kernel	
	C) Modified Linux kerne		None of these	
2	Which programming langua	oge is not an officially	supported programming language for Android	
4.		ige is not an officially	Supported programmes 8 8	
	development?	D)	Dolyile	
	A) Java	B)	Dalvik None of these	
	C) Kotlin	D)		
3.	The mechanism for keeping		ata secure is called -	
	A) Boxing	B)	Wrapping	
	C) Unboxing	D)	Sandboxing	1
4.	Which among the following		or populating a list view?	
	A) Adapter	B)	Context menu	
	C) ArrayList	D)	Cursor	
5.	Which of the following is n		XML files?	
	A) Layouts	B)	Menus	
	C) Strings	D)	Drawables	
6.	Which is the preferred unit	for specifying sizes of	views in Android?	
	A) dp	B)	px	
	C) pt	D)	None of these	
7.	Which of the following is n	ot declared in the And	roid manifest file?	
	A) Application icon id	B)	SQLiteOpenHelper	
	C) Broadcast receiver	D)	Activity	
8.	Which tag is used in the Ar	droid manifest file for	declaring the requirement of permissions?	
200	A) <seeks-permission></seeks-permission>	B)	<needs-permission></needs-permission>	
	C) <uses-permission></uses-permission>	D)	<pre><permission></permission></pre>	
	c)		• • • • • • • • • • • • • • • • • • • •	
Q-2	Answer the following que	stions (Any Seven):	[14	1]
1.	Name the database manage	ment system and the g	raphics library used by Android.	
	Write the full forms of AD		and the second s	
3	When is an activity on the	top of the activity stac	ck and when does it stop being on the top of the	
3.	stack?	top of the treating same	1	
1	What are the lifetimes in the	e Android activity life	cycle?	
5.			illy be visible for the user in the strings resource	
,	file? How can we access a	string defined in the st	ring resource? o get a reference to a view defined in a layout?	
0	. what is layout inhalion? W	inch memod is used to		ě
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9.	Which events are invoked when a menu is created and when a menu item is clicked?					
Q-3	The state of the s					
	Draw a figure showing the Android activity lifecycle. Describe each event in the lifecycle in short.					
В.	List the types of resources in Android. What are the advantages of using resources?	[6]				
	OR					
В.	. Why do we need to save and restore state in Android activities? Write the techniques used for saving and restoring activity state. Also write when Android does it automatically for us.					
Q-4						
-	Write a short note on the Activity class and its use in Android.	[6]				
	Explain database access in Android.	[6]				
	OR					
В.	Explain content providers and broadcast receivers in Android.	[6]				
7						
Q-5		0.00				
	Why should we make network request from a separate thread? Describe the class commonly used for making such a background request.	[6]				
В.	Write a short note on geolocation, positioning and location aware apps in Android.	[6]				
	OR					
В.	Explain in detail how we can show a list of items on the screen using ListView and other classes.	[6]				
2						
Q-6		[6]				
	Write a short notes on intents in Android.	[6]				
В.	Explain how can we generate a notification, send an SMS and check for availability of network connectivity.	[6]				
	OR					
В.	Explain event handling and the use of the UI thread in Android. List the common events handled by Android apps.	[6				

7. Write a statement for logging a message from application code so that it appears in Logcat.

8. What are the possible time duration values for which a toast is displayed?