R18

Subject with Code: MOBILE APPLICATION DEVELOPMENT(18CS0527)**Course & Branch**: B.Tech - CSE

Regulation: R18   **Year & Sem:** IV-B.Tech & I-Sem

UNIT –I

THE ANDROID PLATFORM

1	a	What is an Android?	[L1][CO1]	[2M]
	b	Create a android application to display "Hello World".	[L3][CO1]	[2M]
	c	What is Dalvik Virtual Machine?	[L1][CO1]	[2M]
	d	What is Intent?	[L1][CO1]	[2M]
	e	What is an XML Layout?	[L1][CO1]	[2M]
2	Briefly explain versions of Android and the features of Android.		[L2][CO1]	**[10M]**
3	What is Framework? Explain Android framework with figure.		[L1][CO1]	**[10M]**
4	What is virtual device and SDK manager? Explain.		[L1][CO1]	**[10M]**
5	Create android application to do addition of any two numerical digits.		[L3][CO1]	**[10M]**
6	Create simple registration form, pass and display those all entered data in another activity using intent.		[L3][CO1]	**[10M]**
7	What is an Intent Object? What information Intent object consists? Explain different types of intents along with their usage.		[L1][CO1]	**[10M]**
8	How to create a First Android Project? Explain it by defining XML and Action code through Java with a neat example		[L1][CO1]	**[10M]**
9	What is Fragment? How fragments can be created? Explain any one method with appropriate code to create a fragment.		[L1][CO1]	**[10M]**
10	Describe the life cycle of an Android activity with neat sketch?		[L3][CO1]	**[10M]**

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UNIT –II
UNDERSTANDING THE COMPONENTS OF A SCREEN

1	a	What is Layout?	[L1][CO1]	**[2M]**
	b	Create a simple application on Action Bar.	[L3][CO1]	**[2M]**
	c	Explain about Components of Screen.	[L2][CO1]	**[2M]**
	d	Discuss on Screen Orientation.	[L2][CO1]	**[2M]**
	e	Explain about Frame Layout.	[L2][CO1]	**[2M]**
2		Explain the following layouts 1. Relative Layout 2. Frame Layout	[L2][CO2]	**[10M]**
3		Explain Different Layouts available in Android. Explain with Example.	[L2][CO2]	**[10M]**
4		Create an application that will pass one number to the next screen and on the next screen that number of items should be display in the list view. (Write java code).	[L3][CO2]	**[10M]**
5		Explain Frame Layout with Example?	[L2][CO2]	**[10M]**
6		Write a Code for hide and display the Action Bar on Android Emulator.	[L3][CO2]	**[10M]**
7		When Relative Layout issued? Explain any six attributes of Relative Layout.	[L1][CO2]	**[10M]**
8		Write a code for Adding items to the Action Bar.	[L3][CO2]	**[10M]**
9		How to create User Interface Programmatically. Explain?	[L1][CO2]	**[10M]**
10		Explain Event handing. Write a program to display the Messages through Toast?	[L2][CO2]	**[10M]**

UNIT –III
DESIGNING USER INTERFACE WITH VIEWS

1	A	What are the Views in Android?	[L1][CO1]	**[2M]**
	B	Short notes on Picker.	[L2][CO1]	**[2M]**
	C	What is Spinner?	[L1][CO1]	**[2M]**
	D	Differentiate between Data Picker and Time Picker.	[L4][CO1]	**[2M]**
	E	What is Text View?	[L1][CO1]	**[2M]**
2		Explain any Four of Basic Views with Example?	[L2][CO3]	**[10M]**
3		Write a program to create a Login Activity using Basic Views.	[L3][CO4]	**[10M]**
4		Explain Progress Bar control with an example program?	[L2][CO2]	**[10M]**

5		Explain the following:
		
		    a) Data Picker
		
		    b) Time Picker
			[L2][CO1]	**[10M]**

6		Differentiate List View and Spinner View. Using the Spinner View, Write a Program to Display One Item at a Time.	[L4][C03]	**[10M]**

7		Write the following:
		
		    a) List Fragment
		
		    b) Dialog Fragment
			[L3][CO1]	**[10M]**

8		Explain about Preference Fragment Neatly.	[L2][CO3]	**[10M]**
9		Explain Image Views to display pictures in Android Mobile.	[L2][CO3]	**[10M]**

10		Explain the following:
		
		    a) Image Switcher
		
		    b) Grid View
			[L2][CO3]	**[10M]**

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UNIT –IV
DATA PERSISTENCE AND CONTENT PROVIDERS

1	a	What is SQLite database?	[L1][CO1]	**[2M]**
	b	What is Content Provider?	[L1][CO1]	**[2M]**
	c	Explain Sorting?	[L2][CO1]	**[2M]**
	d	Explain Projection?	[L2][CO1]	**[2M]**
	e	What do you mean by Filtering?	[L1][CO1]	**[2M]**
2		How to Save Data using the Shared Preferences Object .Explain?	[L1][CO1]	**[10M]**
3		Write a code to store online in file which resides in sd-card?	[L3][CO4]	**[10M]**
4		Create a simple registration form using Edit Text, Radio Button, and store the user value in Shared Preference.	[L3][CO2]	**[10M]**
5		Demonstrate use of Toggle Button class with example. Play Music on toggle on and music off on toggle off.	[L4][CO2]	**[10M]**
6		What is SQLite database? How to provide database connection using SQLite database.	[L1][CO1]	**[10M]**
7		What is SQLite database? Write code for adding, updating and removing data from SQLite database.	[L1][CO1]	**[10M]**
8		Write an android application for login & registration using SQLite database connectivity.	[L3][CO4]	**[10M]**
9		How to Store and Retrieve all contacts from the Table Using Database Programmatically. Explain?	[L1][CO2]	**[10M]**
10		What is Content Provider? What are the Operations supported by a Content Provider?	[L1][CO1]	**[10M]**

UNIT –V
MESSAGING AND DEVELOPING AND PUBLISHING ANDROID APPLICATIONS

1	a	Define Broadcast Receiver?	[L2][CO1]	**[2M]**
	b	How to prepare an application for deployment?	[L1][CO1]	**[2M]**
	c	Define SMS?	[L2][CO1]	**[2M]**
	d	What is the purpose of the Image Switcher?	[L1][CO1]	**[2M]**
	e	What is geo coding?	[L1][CO1]	**[2M]**
2		Name the two ways in which you can send SMS messages in your Android application.	[L1][CO1]	**[10M]**
3		Name the permissions you need to declare in your AndroidManifest.xml file for sending And receiving SMS messages.	[L1][CO1]	**[10M]**
4		How do you notify an activity from a Broadcast Receiver?	[L1][CO1]	**[10M]**
5		Write a code for Sending E-Mail in Android?	[L3][CO4]	**[10M]**
6		Create a Simple Own Service to start and stop the service in Android?	[L3][CO2]	**[10M]**
7		How to Run Repeated Tasks Using the Timer Class. Explain?	[L1][CO1]	**[10M]**
8		How to prepare your application for deployment?	[L1][CO1]	**[10M]**
9		Exporting your application as an APK file and signing it with a new Certificate. Explain?	[L4][CO4]	**[10M]**
10		How to Publishing your application on the Android Market. Explain?	[L1][CO2]	**[10M]**

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