



**SIDDHARTHA INSTITUTE OF SCIENCE AND TECHNOLOGY:: PUTTUR  
(AUTONOMOUS)**

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**QUESTION BANK (DESCRIPTIVE)**

**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**

<b>1</b>	a	What is an Android?	[L1][CO1]	[2M]
	b	Create a android application to display “Hello World”.	[L3][CO1]	[2M]
	c	Describe Dalvik Virtual Machine?	[L1][CO1]	[2M]
	d	What is Intent?	[L1][CO1]	[2M]
	e	Enumerate XML Layout?	[L1][CO1]	[2M]
<b>2</b>	a)	Briefly explain versions of Android	[L2][CO2]	[5M]
	b)	Describe the features of Android.		[5M]
<b>3</b>	a)	What is Framework?	[L1][CO1]	[2M]
	b)	Explain Android framework with figure.		[8M]
<b>4</b>	a)	Describe virtual device?	[L1][CO2]	[2M]
	b)	Discuss SDK manager.		[8M]
<b>5</b>		Create android application to do addition of any two numerical digits.	[L6][CO1]	[10M]
<b>6</b>		Create simple registration form, pass and display those all entered data in another activity using intent.	[L6][CO1]	[10M]
<b>7</b>	a)	Enumerate Intent Object?	[L1][CO4]	[2M]
	b)	What information Intent object consists? Explain different types of intents along with their usage.		[8M]
<b>8</b>	a)	How to create a First Android Project?	[L2][CO1]	[4M]
	b)	Explain it by defining XML and Action code through Java with a neat example		[6M]
<b>9</b>	a)	What is Fragment?	[L1][CO3]	[2M]
	b)	Show how fragments can be created?		[3M]
	c)	Discuss any one method with appropriate code to create a fragment.		[5M]
<b>10</b>		Describe the life cycle of an Android activity with neat sketch?	[L3][CO1]	[10M]

**UNIT –II**  
**UNDERSTANDING THE COMPONENTS OF A SCREEN**

<b>1</b>	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	Enumerate Frame Layout.	[L2][CO1]	[2M]
<b>2</b>	Express the following layouts 1. Relative Layout 2. Frame Layout		[L2][CO3]	[5M] [5M]
<b>3</b>	a) Explain Different Layouts available in Android. b) Give Example for each layout.		[L2][CO2]	[6M] [4M]
<b>4</b>	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]
<b>5</b>	a) What is Layout? b) Explain Frame Layout with Example?		[L2][CO4]	[2M] [8M]
<b>6</b>	Develop a Code for hide and display the Action Bar on Android Emulator.		[L6][CO2]	[10M]
<b>7</b>	a) When Relative Layout issued? b) Describe any six attributes of Relative Layout.		[L1][CO3]	[4M] [6M]
<b>8</b>	Develop a code for Adding items to the Action Bar.		[L3][CO2]	[10M]
<b>9</b>	a) How to create User Interface Programmatically. b) Develop relevant code for the above.		[L1][CO2]	[6M] [4M]
<b>10</b>	a) Explain Event handing. b) Develop a program to display the Messages through Toast?		[L2][CO2]	[4M] [6M]

**UNIT –III**  
**DESIGNING USER INTERFACE WITH VIEWS**

<b>1</b>	A	What are the Views in Android?	[L1][CO1]	[2M]
	B	Short notes on Picker.	[L2][CO1]	[2M]
	C	Enumerate Spinner?	[L1][CO1]	[2M]
	D	Differentiate between Data Picker and Time Picker.	[L4][CO1]	[2M]
	E	What is Text View?	[L1][CO1]	[2M]
<b>2</b>	a) Explain any Four of Basic Views b) Give Example for each view	[L2][CO3]	[6M] [4M]	
<b>3</b>	Develop a program to create a Login Activity using Basic Views.	[L6][CO4]	[10M]	
<b>4</b>	Demonstrate Progress Bar control with an example program?	[L2][CO2]	[10M]	
<b>5</b>	Explain the following: a) Data Picker b) Time Picker	[L2][CO1]	[5M] [5M]	
<b>6</b>	a) Differentiate List View and Spinner View. b) Using the Spinner View, Write a Program to Display One Item at a Time.	[L4][CO3]	[5M] [5M]	
<b>7</b>	Describe the following: a) List Fragment b) Dialog Fragment	[L3][CO1]	[5M] [5M]	
<b>8</b>	Discuss about Preference Fragment Neatly.	[L2][CO3]	[10M]	
<b>9</b>	Explain Image Views to display pictures in Android Mobile.	[L2][CO3]	[10M]	
<b>10</b>	Express the following: a) Image Switcher b) Grid View	[L2][CO3]	[5M] [5M]	

**UNIT –IV**  
**DATA PERSISTENCE AND CONTENT PROVIDERS**

<b>1</b>	a	What is SQLite database?	[L1][CO1]	[2M]
	b	Describe Content Provider?	[L1][CO1]	[2M]
	c	Explain Sorting?	[L2][CO1]	[2M]
	d	Recall Projection?	[L2][CO1]	[2M]
	e	Enumerate Filters?	[L1][CO1]	[2M]
<b>2</b>	a)	How to Save Data using the Shared Preferences Object.	[L1][CO1]	[7M]
	b)	Give Example for the above.		[3M]
<b>3</b>		Develop a code to store online in file which resides in sd-card?	[L3][CO4]	[10M]
<b>4</b>		Create a simple registration form using Edit Text, Radio Button, and store the user value in Shared Preference.	[L6][CO2]	[10M]
<b>5</b>	a)	Demonstrate use of Toggle Button class with example.	[L4][CO2]	[6M]
	b)	Play Music on toggle on and music off on toggle off.		[4M]
<b>6</b>	a)	Describe SQLite database?	[L1][CO1]	[2M]
	b)	How to provide database connection using SQLite database.		[8M]
<b>7</b>	a)	What is the use of SQLite database?	[L1][CO1]	[3M]
	b)	Develop code for adding, updating and removing data from SQLite database.		[7M]
<b>8</b>		Develop an android application for login & registration using SQLite database connectivity.	[L3][CO4]	[10M]
<b>9</b>	a)	How to Store and Retrieve all contacts from the Table Using Database Programmatically.	[L2][CO2]	[7M]
	b)	Give Example for the above?		[3M]
<b>10</b>	a)	Recall Content Provider?	[L1][CO1]	[2M]
	b)	What are the Operations supported by a Content Provider?		[8M]

**UNIT –V**  
**MESSAGING AND DEVELOPING AND PUBLISHING ANDROID APPLICATIONS**

<b>1</b>	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	Enumerate geo coding?	[L1][CO1]	[2M]
<b>2</b>	a)	Explain SMS messages in your Android application.	[L1][CO1]	[8M]
	b)	Name the two ways in which SMS are sent		[2M]
<b>3</b>	a)	Recall the use of SMS?	[L1][CO3]	[2M]
	b)	Name the permissions you need to declare in your AndroidManifest.xml file for sending and receiving SMS messages.		
<b>4</b>	a)	What is the use of broadcast?	[L2][CO1]	[10M]
	b)	How do you notify an activity from a Broadcast Receiver?		
<b>5</b>		Develop a code for Sending E-Mail in Android?	[L3][CO4]	[10M]
<b>6</b>		Create a Simple Own Service to start and stop the service in Android?	[L6][CO2]	[10M]
<b>7</b>	a)	Describe timer class?	[L1][CO1]	[10M]
	b)	Explain how to Run Repeated Tasks Using the Timer Class.		
<b>8</b>	a)	What are issues while deploying application	[L2][CO1]	[10M]
	b)	How to prepare your application for deployment?		
<b>9</b>	a)	Discuss how to export your application as an APK file.	[L4][CO4]	[10M]
	b)	Explain how to sign in with a new Certificate.		
<b>10</b>		Express how to Publishing your application on the Android Market. Explain?	[L1][CO2]	[10M]

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