



Subject Name: Mobile Application Development
Subject Code: 3170726

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UNIT - 1 :

Pre-Requirements (Basic Knowledge of OOPS concept and Core java)

Sr. No	SHORT QUESTIONS (1 Mark) / MCQ / True-False/Fill in the blanks	Marks
1.	Which method of the Class.class is used to determine the name of a class represented by the class object as a String? [LJIET] getClass() getName() getString() toString() intent() none of given	01
2.	In object-oriented programming, composition relates to[LJIET] The use of consistent coding conventions The organization of components interacting to achieve a coherent, common behavior The use of inheritance to achieve polymorphic behavior The organization of components interacting not to achieve a coherent common behavior The use of data hiding to achieve polymorphic behavior. The use of abstraction to not to achieve a coherent common behavior	01
Sr. No	DESCRIPTIVE QUESTIONS	Marks
1.	What are the different OOPS concepts of Java used in android? [LJIET]	04
2.	What are the different methods to create thread? Explain in brief. [LJIET]	07
		03
UNIT - 2 :		
Fundamentals		
Topic: Software Engineering with SDLC, Flow chart, DFD, SQL database		
Sr. No	SHORT QUESTIONS (1 Mark) / MCQ / True-False/Fill in the blanks	Marks
ASD		
1.	A description of each function presented in the DFD is contained in a _ [LJIET]_____	01



	Data flow Process Specification Control specification Data store	
2.	What does a data model contain?[LJIET] Data object Attributes Relationships Properties All of Given None of Given	01
3.	Generally, a Spiral model is a combination of ____ model and linear sequential development model. [LJIET] Iterative model V shaped model Agile model Prototype Model None of Given All of Given	01
Sr. No	DESCRIPTIVE QUESTIONS	Marks
1.	What is SDLC? How SDLC is important for every application?[LJIET]	04
2.	Write symbols of Flowchart. [LJIET]	03
3.	Draw a flowchart of online shopping login and registration activity of app. [LJIET]	04
4.	Draw DFD for paytm type online payment application. [LJIET]	07
5.	What are the major components of DDBMS? [LJIET]	04
	UNIT - 3: Android OS	
	Topic 1: Introduction to Android, Android System with Architecture, Android Architecture, Development with	



Android – Platforms, Tools, Versions, Setup Android Environment, Say Hello to Android Application, Building Blocks of Android Application,		
Sr. No	SHORT QUESTIONS (1 Mark) / MCQ / True-False/Fill in the blanks	Marks
1.	Android operating system is a stack of software components which is roughly divided into how many layers? [LJIET] 2 3 4 5 0 6	01
2.	Which of the following libraries has Java interface to the OpenGL ES 3D graphics rendering API? [LJIET] android.os android.opengl3D android.database android.opengl android.opengl3D android.opengl	01
3.	Which of the following is not a layer in Android Architecture? [LJIET] Android Runtime Libraries Linux kernel Application Framework None of given All of given	01
4.	While developing Android applications, developers can test their apps on _____ . [LJIET] Emulator included in Android SDK Physical Android phone Third-party Emulators Default Emulator	01



	<p>All of given</p> <p>None of Given</p>	
5.	<p>Status data will be exposed to the rest of the Android system via .[LJIET]</p> <p>Intents</p> <p>A content provider</p> <p>Network receivers</p> <p>Altering permissions</p> <p>Services</p> <p>Adapters</p>	01
6.	<p>What is contained within the Layout xml file?[LJIET]</p> <p>Orientations and layouts that specify what the display looks like</p> <p>The permissions required by the app</p> <p>The strings used in the app</p> <p>The code which is compiled to run the app</p> <p>The colors used in app</p> <p>None of given</p>	01
7.	<p>Android tries to _____ low-level components, such as the software stack, with interfaces so that vendorspecific code can be managed easily.[LJIET]</p> <p>Cofound</p> <p>Abstract</p> <p>Modularize</p> <p>Compound</p> <p>All of given</p> <p>None of given</p>	01
8.	<p>What is the name of the folder that contains the R.java file?[LJIET]</p> <p>src</p> <p>res</p>	01

	bin gen build gradle	
9.	What is correct statement about xml layout file? [LJIET] Consists A layout PNG file This file use to draw content of an activity A file that contains all application permission information A file that contains a single activity widgets A file that contains only layout components	01
10.	OHA Stands for ? [LJIET] Open Hybrid Association Opera Handset Association Open Handset Alliance Opera Handset Alliance Open Human Association None of given	01
11.	Which one is a client server tool in android ? [LJIET] Android Emulator Android SDK Android Virtual Device Android Debug Bridge Android Debug Manager Android Server Manager	01
12.	Which of the important device characteristics that you should consider as you design and develop your application? [LJIET] Screen size and density Input Configuration Device Features	01

	System configuration None of Given All of Given	
13.	What is the full form of DDMS [LJIET] Dalvik Debug Management System Dalvik Development Monitoring System Dalvik Debug Monitoring Services Dalvik Development Monitoring Services Dalvik Debug Management Services None of given	01
14.	Which is a compiled form of .java file that Android uses to produce an executable .apk file. [LJIET] Activity file .java file .class file .dex file .xml file Service files	01
15.	What is the use of Activity manager? [LJIET] Controls all aspects of the application lifecycle and activity stack. Allows applications to publish and share data with other applications.	01

	<p>Provides access to non-code embedded resources such as strings, color settings and user interface layouts.</p> <p>Allows applications to display alerts and notifications to the user.</p> <p>Pass message between one view to another view.</p> <p>To transfer data from one application to another.</p>	
16.	<p>android.webkit libraries is? [LJIET]</p> <p>Used to render and manipulate text on a device display.</p> <p>The fundamental building blocks of application user interfaces.</p> <p>6A set of classes intended to allow web-browsing capabilities to be built into applications.</p> <p>A Java interface to the OpenGL ES 3D graphics rendering API.</p> <p>Provides fundamental libraries for native development of application.</p>	01
17.	<p>What is the use of content provider in android? [LJIET]</p> <p>To share the fragments between activities.</p> <p>Use to run the background services in application.</p> <p>Only to store the data in application</p> <p>Used to share data across packages</p> <p>None of given</p> <p>All of given</p>	01
18.	<p>Which of the following action will display the phone dialer with the given number filled in?[LJIET]</p> <p>ACTION_VIEW tel:123</p> <p>ACTION_SET_WALLPAPER</p> <p>ACTION_DIAL tel:123</p> <p>None of the above</p>	01

	ACTION_DIAL call:123 ACTION_DIAL_NUM tel:123	
19.	<p>To query a content provider, you specify the query string in the form of a URI. The format of the query URI is as follows:</p> <p><standard_prefix>://<authority>/<data_path>/<id></p> <p>What you will write in place of <standard_prefix> ? [LJIET]</p> <p>Content</p> <p>object</p> <p>ContentProvider</p> <p>None of the above.</p> <p>Activity</p> <p>Serviceprovider</p>	01
20.	<p>What is the use of TODO tag in android studio [LJIET]</p> <p>Storage</p> <p>Declaration</p> <p>Comments</p> <p>Function</p> <p>Classes</p> <p>None of given</p>	01
21.	<p>Which file specifies the minimum required Android SDK [LJIET]</p> <p>main.xml</p> <p>R.java</p> <p>strings.xml</p> <p>AndroidManifest.xml</p> <p>Manifest.xml</p> <p>build.gradle.properties</p>	01

22.	<p>Which of these files contains text values that you can use in your application? [LJIET]</p> <p>AndroidManifest.xml</p> <p>res/Text.xml</p> <p>res/layout/Main.xml</p> <p>res/values/strings.xml</p> <p>res/layout/strings.xml</p> <p>res/values/texts.xml</p>	01
23.	<p>Which of the following information is not included in manifest file? [LJIET]</p> <p>Activities contained in the application.</p> <p>The permission required by the application</p> <p>The content placement in application like (R TO L)</p> <p>Handset model compatible to your application</p> <p>Application minimum version required</p> <p>None of given</p>	01
24.	<p>What can we use to give the orientation as landscape [LJIET]</p> <p>Screenorientation:landscape</p> <p>screenOrientation:landscape</p> <p>android: screenOrientation:landscape</p> <p>ScreenOrientation:landscape</p> <p>android: ScreenOrientation:landscape</p> <p>android: screenOrientationLandscape</p>	01
25.	<p>What is false for broadcast receiver?[LJIET]</p> <p>broadcast receiver is implemented as a subclass of ContentProvider class</p> <p>A broadcast receiver is implemented as a subclass of Activity class</p> <p>A broadcast receiver is implemented as a subclass of BroadcastReceiver class</p>	01



	A broadcast receiver is implemented as a subclass of Service class	
26.	Gradle is written using which API? [LJIET] Fragment API Transaction API Groovy API Kotlin API Webkit API Build API	01
27.	Who converts java bytecode into Dalvik bytecode ? [LJIET] JVM Dalvik Vulnerable Machine Dex Compiler Dalvik Converter Java Converter None of Given	01
28.	How do we produce log messages by using? [LJIET] Log.D() Log.show() Log.Display() Log.d() Log.Show() log.d()	01
29.	In which tag we declare Main Activity in _____ manifest.xml [LJIET] <intent> <intent-manifest> <intent-filter> <intent-extra>	01

	<intent-activity> <intent-layout>	
30.	The bottom layer in android architecture is known as ? [LJIET] Kernal Linux Libraries ART Linux Kernal Linux OS	
31.	Which of the following libraries provide the access to the application model and is the cornerstone of all android applications? [LJIET] android.webkit android.database android.widget android.app all of given none of given	
32.	What do we mean by NDK?[LJIET] Native Development Kit Native Design Kit New Design Kit New Development Kit None of given All of Given	01
33.	Which of the following is not defined as process state? [LJIET] Non-visible Visible	01



	Foreground Background Non of given All of given	
34.	Which is not included in the Android application framework [LJIET] WindowManager NotificationManager DialerManager PackageManager All of given None of given	01
Sr. No	DESCRIPTIVE QUESTIONS	Marks
1.	What is Android? Explain android architecture with diagram. [LJIET]	07
2.	What is the JVM and DVM? Explain important role of DVM [LJIET]	07
3.	Explain Android Manifest File and String.xml file with example [LJIET]	07
4.	What is the significance of Android Manifest file [LJIET]	03
5.	What are the differences between JVM and DVM?[LJIET]	04
6.	Explain Content Providers in brief [LJIET]	03
7.	What are the advantages & Disadvantages of Android ? [LJIET]	04
8.	What are the core components of android explain in brief [LJIET]	07
	Topic 2: Work with Activity, Activity Lifecycle, Intents Fragments, Fragment Lifecycle	
Sr. No	SHORT QUESTIONS (1 Mark) / MCQ / True-False/Fill in the blanks	Marks
1	Which of the following is/are appropriate for saving the state of an Android application? [LJIET] Activity.onFreeze() Activity.onPause() Activity.onStop() Activity.onDestroy() Activity onResume() Activity onSave()	01
2	What is true about Intents component? [LJIET]	01



	<p>External elements, such as strings, constants and drawable pictures.</p> <p>UI elements that are drawn on-screen including buttons, lists forms etc.</p> <p>View hierarchies that control screen format and appearance of the views</p> <p>Messages wiring components together.</p> <p>Service components and its descriptions</p> <p>None of given</p>	
3	<p>What is true about the fragment component? [LJIET]</p> <p>Represents a portion of the user interface in an activity</p> <p>UI elements that are drawn on-screen including buttons, lists, forms etc..</p> <p>View hierarchy that control screen format and appearance of the views</p> <p>Message writing components together</p>	01
4	<p>Which method is called when called to do a final clean up of fragments state but not guaranteed to be called by android platform? [LJIET]</p> <p>onStop()</p> <p>onFinal()</p> <p>onFinally()</p> <p>onDestroy()</p> <p>onDestroyView()</p> <p>onPause()</p>	01
5	<p>Action bar can be associated to _____ [LJIET]</p> <p>Intent</p> <p>Fragment</p> <p>Only Fragment</p> <p>Only Activity</p> <p>Fragment & Activity both</p> <p>None of given</p>	01
6	<p>What does an intent do? [LJIET]</p> <p>Pass messages that are sent among major building block</p>	01

	<p>Establish communication between activities</p> <p>Trigger activities, services and broadcast</p> <p>They are synchronous</p> <p>All of given</p> <p>None of given</p>	
7	<p>What is the correct method to add fragments into back stack ? [LJIET]</p> <p>addBackStack()</p> <p>addFragmentToBackStack()</p> <p>addToBackStack()</p> <p>this.addBackStack()</p> <p>fragment.addBackStack()</p> <p>none of given</p>	01
8	<p>How to send data to one activity to another ? [LJIET]</p> <p>All given code is followed by the following line.</p> <p>startActivity(intent);</p> <p>Intent intent = Intent.getNewIntent(this, secondAtivity.java)</p> <p>intent.giveData("Key","Value");</p> <p>Intent intent = Intent.getNewIntent(this, secondAtivity.java)</p> <p>intent.sendData("Key","Value");</p>	01

	<pre>Intent intent = Intent.getNewIntent(this, secondActivity.java) Intent.putExtras("Key","Value"); Intent intent = new Intent (this, secondActivity.java) intent.putExtras("Key","Value"); Intent intent = new Intent (this, secondActivity.class) intent.putExtra("Key","Value"); Intent intent = new Intent (this, secondActivity.java) intent.putExtra("Key","Value");</pre>	
9	<p>How does the activity respond when the user rotates the screen? [LJIET]</p> <pre>onStart() onPause() onRotate() onRestart() onDetach() onRotates()</pre>	01
10	<p>Which is correct code to start transaction in Fragment ? [LJIET]</p> <pre>FragmentManager fragmentManager = getSupportFragmentManager(); fragmentManager.startTrasaction(); FragmentManager fragmentManager = getSupportFragmentmanager(); fragmentManager.BeginTrasaction(); FragmentManager fragmentManager = getSupportFragmentManager(); fragmentManager.begintrasaction();</pre>	01

	<pre>FragmentManager fragmentManager = getSupportFragmentManager(); fragmentManager.beginTransaction(); FragmentManager fragmentManager = getSupportFragmentManager(); fragmentManager.startTransaction(); FragmentManager fragmentManager = getFragmentManager(); fragmentManager.startTransaction();</pre>	
11	<p>When the onRestoreInstanceState() is called [LJIET]</p> <p>After onStart() is invoked.</p> <p>After onPause() is invoked</p> <p>Before onStart() is invoked</p> <p>Before onCreate() is invoked</p> <p>After onStop is invoked</p> <p>After onDestroy is invoked</p>	01
12	<p>IN the given below code how can we kill a running activity from another activity programmatically on Button click ?</p> <pre>public class FirstActivity extends AppCompatActivity { public static FirstActivity firstActivity; @Override protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity_main); firstActivity=this; } }</pre> <p>[LJIET]</p> <p>FirstActivity.final()</p> <p>FirstActivity.finish()</p> <p>FirstActivity.firstActivity.finish()</p>	01

	<p>FirstActivity.firstActivity.final()</p> <p>FirstActivity.firstActivity.stop()</p> <p>FirstActivity.firstActivity.destroy()</p>	
13	<p>Resource Manager is used for? [LJIET]</p> <p>Controls all aspects of the application lifecycle and activity stack.</p> <p>Allows applications to publish and share data with other applications.</p> <p>Provides access to non-code embedded resources such as strings, color settings and user interface layouts.</p> <p>Allows applications to display alerts and notifications to the user.</p> <p>Provides interface for the resources that we want to bind in application</p>	01
14	<p>The activity is not in focus but it is still visible to user. The state is ? [LJIET]</p> <p>Stopped state</p> <p>Resumed State</p> <p>Paused State</p> <p>Destroyed State</p> <p>Running State</p> <p>Start State</p>	01
15	<p>How can we kill an activity in android? [LJIET]</p> <ol style="list-style-type: none"> 1. By calling Stop() 2. Using Finish() 3. Using FinishActivity(int request code) 4. By Calling Destroy() 	01

	<p>Only 1 is correct</p> <p>Only 2 is correct</p> <p>1 and 2 is correct</p> <p>Only 4 is correct</p> <p>1 and 3 is correct</p> <p>2 and 3 is correct</p>	
16	<p>Suppose that there are two activities in an application named FirstActivity and SecondActivity. You want to send website name from ActivityOne to ActivityTwo. What code you will write? Suppose that website name is "ljku.edu.in" [LJIET]</p> <p>Intent intent=new Intent (this, SecondActivity.class);</p> <p>intent.putExtra("name", "ljku.edu.in");</p> <p>startActivity(intent);</p> <p>Intent intent=new Intent (this, SecondActivity.class);</p> <p>intent.putExtra("ljku.edu.in");</p> <p>startActivity(intent);</p> <p>Intent intent=new Intent ();</p> <p>intent.putExtra("name", "ljku.edu.in");</p> <p>startActivity(intent);</p> <p>None of the given</p> <p>Intent intent=new Intent ();</p> <p>intent.putExtras("name", "ljku.edu.in");</p> <p>startActivity(intent);</p> <p>Intent intent=new Intent (this, SecondActivity.class);</p>	01

	<pre>intent.putExtra("ljku.edu.in"); startActivity(intent);</pre>	
17	<p>If activity is not existing in memory that means it is in which state? [LJIET]</p> <p>Paused state</p> <p>Loading State</p> <p>Starting State</p> <p>Inexistent State</p> <p>Running State</p> <p>Stopped State</p>	01
18	<p>In which version of android fragment is launched? [LJIET]</p> <p>Éclair</p> <p>HoneyComb</p> <p>Kitkat</p> <p>Lollipop</p> <p>Marshmallow</p>	01
19	<p>Which of following is incorrect about the Toast class? [LJIET]</p> <p>You cannot set a custom layout for a Toast</p> <p>A Toast can only create by an Activity clas</p> <p>There is no need to close or hide a Toast, since it closes automatically.</p> <p>A Toast is displayed for only one of the following periods: Toast.LENGHT_SHORT or Toast.LENGTH_LON</p> <p>All of given</p> <p>None of Given</p>	01
20	<p>Which of the following is true about method startActivity? [LJIET]</p> <p>It starts a new activity and destroys the previous one</p> <p>It starts a new activity and sends the previous one to the background.</p> <p>It starts a new activity and pauses the previous one.</p>	01

	It starts a new activity in a paused mode. All of Given None of Given	
21	What activity method you use to retrieve a reference to an android view by using the id attribute of resource XML [LJIET] findViewByIdReference(int id); findViewById(int id); findViewById(int id); retriveResourseById(int id) none of given all of given	01
22.	Which method is use to close an activity [LJIET] Destroy() Finish() Stop() Close() Activity.stop() Activity.close()	
23.	In android _____ is the abstract description of an operation to be performed. It can be used with startActivity to launch an activity? [LJIET] Filter Intent Service Broad cast receiver None of given All of given	01
Sr. No	Descriptive Questions	Marks
1.	What is Intent? Explain Explicit vs. Implicit intents [LJIET]	07
2.	What is Activity lifecycle? What is the significant role of each state. OR Explain Activity Life Cycle [LJIET]	07
3.	Write a Program move one page to another page using Intent. OR Write code to send data from one activity to other activity using Explicit Intent [LJIET]	07
4.	List out methods (states) of Android activity life cycle [LJIET]	03



5.	Write a code to send data from one activity to another activity using implicit intent [LJIET]	07
6.	Write a code to send e-mail from Android App using the concept of explicit intent. [LJIET]	07
7.	What you mean by fragment in Android? Explain fragment with an example [LJIET]	07
8.	Explain Fragments with appropriate example. [LJIET]	07
9.	Write code to open browser with entered URL by the user. [LJIET]	07
10.	What is the use of <intent-filter> tag in android? [LJIET]	03
	UNIT - 4 :	
	Android UI & Component Using Fragments	
	Topic 1:	
	Create Android UI, Working with Layout, Create Custom Layouts, Work with UI Components and Events	
Sr. No	SHORT QUESTIONS (1 Mark) / MCQ / True-False/Fill in the blanks	Marks
1.	<p>The UI design hierarchy and individual design elements can be seen using ? [LJIET]</p> <p>Properties</p> <p>Component tree</p> <p>Layout</p> <p>Terminal</p> <p>Logcat</p> <p>Adapter</p>	01
2	<p>What is the parent group of all activity widgets ? [LJIET]</p> <p>View</p> <p>View Group</p> <p>Layout</p> <p>Widget</p> <p>Activity Compacts</p> <p>None of given</p>	01
3	<p>Which code part is correct for the onclick event on Button ? [LJIET]</p> <p>button.setOnClickListener(new View.OnClickListener() {</p> <p>@Override</p> <p>public void onClick(View view) {</p>	01

```
.....
```

```
}
```

```
});
```

```
button.setOnClickListener(new View.OnClickListener() {
```

```
    @Override
```

```
    public void onClick(View view) {
```

```
        .....
```

```
    }
```

```
});
```

```
button.setOnClickListener(new View.OnClickListener() {
```

```
    @Override
```

```
    public void onClick(View view) {
```

```
        .....
```

```
    }
```

```
});
```

```
button.setOnClickListener(new View.OnClickListener() {
```

```
    @Override
```

```
    public void onClick(View view) {
```

```
        .....
```

```
    }
```

```
});
```

```
button.setOnClickListener(new Layout.OnClickListener() {
```

```
    @Override
```

```
    public void onClick(Layout view) {
```

	<pre> } }); button.setOnClickListener(new Layout.OnClickListener() { @Override public void onClick(View view) { } }); </pre>	
4	<p>_____ is a pre defined subclass of textview that includes rich editing capabilities.</p> <p>[LJIET]</p> <p>EditButton</p> <p>EditText</p> <p>TextView</p> <p>Button</p> <p>None of Given</p> <p>All of Given</p>	01
5	<p>The parent class for All Layout class is ?[LJIET]</p> <p>android.widget</p> <p>android.view.View</p> <p>android.view.ViewGroup</p> <p>android.view.Layout</p> <p>None of Above</p> <p>All of Above</p>	01
6	<p>What is correct statement about xml layout file? [LJIET]</p> <p>Consists A layout PNG file</p> <p>This file use to draw content of an activity</p> <p>A file that contains all application permission information</p> <p>A file that contains a single activity</p>	01



	<p>widgets</p> <p>A file that contains only layout components</p>	
7	<p>android:gravity is a setting used by _____. And android:layout_gravity is used by _____ [LJIET]</p> <p>Layout & activity</p> <p>Activity & view</p> <p>View and Services</p> <p>ViewGroup & View</p> <p>View & ViewGroup</p> <p>View & Activity</p>	01
8	<p>View always start with? [LJIET]</p> <pre>[< { (> }</pre>	01
9	<p>Layout A – arranges the children in form of rows and columns</p> <p>Layout B – tack up child views above each other with the last view added on the top.</p> <p>What is B & A ? [LJIET]</p> <p>Table Layout, Linear layout</p> <p>Linear layout, Relative Layout</p> <p>Relative Layout, Frame Layout</p> <p>Frame Layout, Table Layout</p> <p>Table Layout, Frame Layout</p> <p>Absolute Layout, Table Layout</p>	01
Sr. No	DESCRIPTIVE QUESTIONS	Marks
1.	List of Various Layout in android. Write java code for display Table Layout [LJIET]	07
2.	Explain the use of RadioButton and RadioGroup with an example [LJIET]	03
3.	How to use spinner in Android App? Explain with an example [LJIET]	04



4.	Write a Program for select any three subjects out of five using check box or radio button. [LJIET]	07
5.	Elaborate the input Controls in details. [LJIET]	07
6.	What are widgets available in Android? Explain any two widgets with Example [LJIET]	07
7.	List out various layouts available in Android. Explain anyone in detail [LJIET]	04
8.	What is ScrollView and ListView? Explain anyone with suitable example [LJIET]	07
9.	Demonstrate the use of CheckBox in Android App [LJIET]	03
10.	Write a code to use ToggleButton in Android App. [LJIET]	04
11.	Explain LinearLayout [LJIET]	04
12.	Write code to display Toast Message on click of Button [LJIET]	04
13.	Write a code for Web View [LJIET]	07
14.	Explain Grid View and Grid layout difference [LJIET]	03
15.	Explain difference between View & View Group [LJIET]	04
16.	Write a code that shows the grid view example [LJIET]	07
17.	What is guidelines in constraint layout? [LJIET]	03

Topic 2:

Material Design Toolbar, Tab Layout, Recycler View and Card View, Android Menus

Sr. No	SHORT QUESTIONS (1 Mark) / MCQ / True-False/Fill in the blanks	Marks
1	<p>What is the correct syntax to hide action bar in android ? [LJIET]</p> <p><code><style name="AppTheme" parent="Theme.AppCompat.Light.NoActionBar"></code></p> <p><code><style name="AppTheme" parent="Theme.AppCompat.Light.HideActionBar"></code></p> <p><code><style name="AppTheme" parent="AppCompat.Light.HideActionBar"></code></p> <p><code><style name="AppTheme" parent="Theme.Action.Light.NoActionBar"></code></p> <p><code><style name="AppTheme" parent="Theme.Action.Light.HideActionBar"></code></p> <p><code><style name="AppTheme" parent="AppCompat.Light.NoActionBar"></code></p>	01
2	<p>What do we mean by android:layout_below in relative layout ? [LJIET]</p> <p>If true then makes the top edge of this view match the top edge of the parent</p> <p>If true then centers the child vertically within its parent</p>	01



	<p>If true then makes the new view component on below of the parent component</p> <p>If true then makes the child below of the parent component</p> <p>If true then makes the top edge of this view below the view specified with a resource ID</p> <p>If true then makes the right edge of this view below the view specified with a resource ID</p>	
Sr. No	DESCRIPTIVE QUESTIONS	Marks
1.	What is Scroll View, List View & Recycler View? Explain any one with suitable Program. [LJIET]	07
2.	How to manage the different screen sizes and orientations [LJIET]	07
3.	What is material design in Android? [LJIET]	03
4.	How to use Navigation drawer in Android App [LJIET]	03
5.	Explain different types of menus in android with example. [LJIET]	07
6.	List out different Menus in android. Explain Context Menu in detail by giving a suitable example. [LJIET]	07
7.	Difference between Options Menu v/s Context Menu [LJIET]	03
8.	How to create custom tool bar write a code for that [LJIET]	07
9.	Write a code to for tab layout. [LJIET]	07
10.	What files are need to create recycler view and how can you implement it. [LJIET]	07
11.	How to implement Card View in Grid Layout. Explain with example [LJIET]	07
UNIT - 5 :		
Database Connectivity		
Topic 1:		
Storage in Android, Shared Preferences, Shared Preferences Layout, Android Requesting Permission at run time (Android 6.0)		
Sr. No	DESCRIPTIVE QUESTIONS	Marks
1.	What are the different storage options are there in android [LJIET]	03
2.	Explain Permission in android [LJIET]	03
3.	List permissions required for the following tasks: 1. To access phone state information 2. Write files to SD card 3. Send SMS 4. To access phone's location using NETWORK_PROVIDER. 5. To access camera and take pictures. [LJIET]	07
4.	Explain the usage of Shared Preference [LJIET]	03
5.	Write a code to save login user name and password in shared preference. [LJIET]	07
Topic 2:		



Work with SD Card and Files, Database in Android, Realm-No SQL Database		
Sr. No	DESCRIPTIVE QUESTIONS	Marks
1.	List down the Advantage and Disadvantage of SQLite Database. [LJIET]	07
2.	Write a Program for establish connection with database[LJIET]	07
3.	Write a Program store the input information in SQLite Database [LJIET]	07
4.	Write the significance of onCreate() and onUpgrade() methods of SQLiteOpenHelper class [LJIET]	07
5.	Write the significance and syntax of update() and delete() of SQLiteDatabase class. [LJIET]	07
6.	Write a code to insert studentDetails (sID, SName, sEnrollmentNo) in SQLite database using Android App. [LJIET]	07
7.	What is SQLite database? Explain methods for creating, updating, deleting and querying database records by giving a suitable example. [LJIET]	07
8.	Give brief idea about Internal versus external storage. [LJIET]	07
9.	Write all necessary code to print all the files stored in DCIM folder of SD card [LJIET]	07
10.	Explain Internal vs External Storage. [LJIET]	04
11.	Write Code to insert Customer Details (cID, cName, cOrderID) in SQLite Database in Android. [LJIET]	04
12.	Give brief idea about Internal versus external storage. [LJIET]	07
13.	Write all necessary code to print all the files stored in DCIM folder of SD card [LJIET]	07
14.	Explain Internal vs External Storage. [LJIET]	04
15.	Write Code to insert Customer Details (cID, cName, cOrderID) in SQLite Database in Android. [LJIET]	04
16.	What is RealmNo SQL Database How can we implement in Android [LJIET]	07
UNIT - 6 :		
Applicability to Industrial Projects		
Topic 1:		
Web services and Parsing, JSON Parsing, Access web data with JSON		
Sr. No	DESCRIPTIVE QUESTIONS	Marks
1.	What is parsing? Discuss how you can perform parsing using JSON in Android application [LJIET]	07
2.	[LJIET]	07
3.	List down the different methods of JSON Object Parsing & JSON Array Parsing & explain any Seven [LJIET]	07
4.	Write Structure of JSON [LJIET]	03
5.	Write a code to fetch data from Mysql using JSON (Web data) [LJIET]	07
Topic 2:		
Connect to Web Services, Using Async Task & Third Party Library : Retrofit		
Sr. No	DESCRIPTIVE QUESTIONS	Marks



1.	Explain the concept of AsyncTask with an example. [LJIET]	04
2.	Explain Retrofit library functions [LJIET]	07
3.	What is web services and how can we implement in android [LJIET]	07
UNIT - 7 :		
Advanced Android Development		
Topic 1:		
Google Map, Location Service and GPS, Creating Google Map, Work with Location, Location service with Location Manager, Find Current Location, Geo coding		
Sr. No	DESCRIPTIVE QUESTIONS	Marks
1.	Explain the use of Location Based Services in android by giving a suitable example. [LJIET]	07
2.	How to get current location in android [LJIET]	03
3.	What is geo coding and explain the code for that [LJIET]	04
4.	Write a code to implement google map in android [LJIET]	03
5.	Calculate the distance between your current location and entered location. [LJIET]	07
6.	Make an application that search nearby salon, furniture shops and restaurant [LJIET]	07
7.	How can we implement geocoding and reverse geocoding in android [LJIET]	07
Topic 2:		
Graphics and Animation, Work with 2D Graphics, Bitmap, Animation, Frame Animation, Tween Animation, View Animation, Multimedia in Android, Play Audio Files, Play Video Files		
Sr. No	DESCRIPTIVE QUESTIONS	Marks
1.	What is Animation? List out different Animations in android. Explain Tween animation in brief. [LJIET]	07
2.	Explain frame animation. [LJIET]	04
3.	Explain code for audio files and video files in android. [LJIET]	07
4.	Make an application which plays multiple videos links taken from the server. [LJIET]	07
Topic 3:		
Work in Background, Services, Notification Services, Broadcast Receiver Introduction to Firebase with simple CRUD Operation		
Sr. No	DESCRIPTIVE QUESTIONS	Marks
1.	What are the services available in android and how it works differ from Activity. [LJIET]	07
2.	What is the use of BroadcastReceiver? How to add it in Android App? [LJIET]	04
3.	How to add notification in Android App? Explain with an example [LJIET]	07
4.	What is firebase and how can we implement in android [LJIET]	07



5.	Show the usage of Broadcast receiver in Android using Alarm clock example [LJIET]	07
6.	Explain the services work in background in android. [LJIET]	07
7.	How can we implement Notification in android [LJIET]	07
8.	Show notification using firebase with example [LJIET]	07
UNIT - 8 :		
Work with android system & Development and Deployment		
Topic 1:		
Text to Speech, Camera, Taking Picture with Camera, Manage Bluetooth Connection, Monitor and Manage Wi-Fi, Accelerometer Sensor & Gyroscope		
Sr. No	DESCRIPTIVE QUESTIONS	Marks
1.	Write a code to do text to speech in android [LJIET]	07
2.	Write a code to showcase Bluetooth connection in android smartphone with the permission.[LJIET]	07
3.	How to manage Wifi using Android [LJIET]	07
4.	Explain Accelerometer sensor and Gyroscope in android [LJIET]	07
Topic 2:		
Dalvik Debug Tool, Logcat, Emulator Control, Device Control, Work with ADB, Connect Real Devices, Execute Application on Real Device, Publish your Application		
Sr. No	DESCRIPTIVE QUESTIONS	Marks
1.	How to publish the Android Application into Google Appstore[LJIET]	07
2.	What is ADB and how it works [LJIET]	07
3.	What is Log cat what are the types of various logs [LJIET]	07
4.	What is dalvik debug tool how it works [LJIET]	07
		07