University of Mumbai
Examination 2020

Examinations Commencing from 7th January 2021 to 20th January 2021

Program: Information Technology Engineering

Curriculum Scheme: Rev 2016

Examination: BE Semester VII

Course Code: ITDLO 7032 and Course Name: MAD

Time: 2 hour   Max. Marks: 80

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Q1.	Choose the correct option for following questions. All the Questions are compulsory and carry equal marks
Q1.	_____ is best-selling OS worldwide on smartphones and tablets.
Option A:	Android
Option B:	Symbian
Option C:	iOS
Option D:	webOS
Q2.	_____ is the most common type of Android App Component.
Option A:	Activity
Option B:	Service
Option C:	Broadcast Receiver
Option D:	Intent
Q3.	Android OS is a stack of software components which is roughly divided into ____ sections.
Option A:	4
Option B:	5
Option C:	6
Option D:	7
Q4.	The first commercially available Android device was _____.
Option A:	Nokia
Option B:	Motorola
Option C:	Samsung
Option D:	HTC Dream
Q5.	_____ UI control will act as like label control and it won't allow users to edit the text.
Option A:	Lable
Option B:	TextView
Option C:	EditText
Option D:	Text
Q6.	In Android _____ Layout attribute uniquely identifies the view.
Option A:	android:layout
Option B:	android:layout_width
Option C:	android:name
Option D:	android:id
Q7.	Android is an open source mobile operating system based on a modified version of the _____ kernel.
Option A:	Linux
Option B:	Windows

Option C:	Ios
Option D:	Unix
Q8.	_____ represents a single screen with a user interface just like window or frame of Java.
Option A:	Activity
Option B:	Service
Option C:	Receiver
Option D:	Intent
Q9.	_____ call back method called after onCreate() method.
Option A:	onPause()
Option B:	onStart()
Option C:	onStop()
Option D:	onDestroy()
Q10.	_____ method is called when the activity is first created.
Option A:	onCreate()
Option B:	onStart()
Option C:	onPause()
Option D:	onStop()
Q11.	_____ is type of service, when an application component binds to it by calling bindService().
Option A:	Foreground
Option B:	Background
Option C:	Bound
Option D:	Running
Q12.	To create a service, you must create a subclass of _____ base class.
Option A:	Activity
Option B:	Service
Option C:	Receiver
Option D:	Broadcast
Q13.	Which of the following is not the type of Service?
Option A:	Foreground
Option B:	Background
Option C:	Bound
Option D:	Running
Q14.	The action in an Intent object can be set by _____ method.
Option A:	getAction()
Option B:	setAction()
Option C:	setData()
Option D:	setType()
Q15.	In Android, if the Intent do not have a specific component name, and the field for the component name is left blank. Then such Intent is called _____ Intent.
Option A:	Explicit
Option B:	Implicit
Option C:	Regular
Option D:	Activity
Q16.	Which of the following can be used to bind data from an SQL database to a ListView in

	an Android application?
Option A:	SimpleCursor
Option B:	SimpleCursorAdapter
Option C:	SimpleAdapter
Option D:	SQLiteCursor
Q17.	Which file specifies the minimum required Android SDK version your application supports?
Option A:	main.xml
Option B:	R.java
Option C:	strings.xml
Option D:	AndroidManifest.xml
Q18.	Which of the following is not a ContentProvider provided natively by android?
Option A:	The contacts list
Option B:	The telephone log
Option C:	The bookmarks
Option D:	The application list
Q19.	Which permissions are required to get a location in android?
Option A:	ACCESS_FINE and ACCESS_COARSE
Option B:	GPRS permission
Option C:	Internet permission
Option D:	WIFI permission.
Q20.	How will you instantiate LocationManager object?
Option A:	LocationManager LM =new LocationManager();
Option B:	LocationManager LM = getSystemService(Context.LOCATION_SERVICE).
Option C:	LocationManager LM = Context.LOCATION_SERVICE.
Option D:	LocationManager LM = setSystemService(Context.LOCATION_SERVICE).

Q2.	Solve any Two Questions out of Three 10 marks each
A	Discuss the Android Architecture with all layers. Also discuss the role of DVM in detail.
B	Explain Various Android features. Why android is popular mobile operating system discuss with reasons.
C	Discuss the various Layouts in Android. Demonstrate any Layout with suitable example.

Q3.	
A	Solve any Two 5 marks each
i.	What is Content Provider in Android? Explain Content Provider in detail.
ii.	Explain how to get the current location of User in Android Apps.
iii.	What is the role of Activity in Android? Discuss the life cycle of Activity in Android.
B	Solve any One 10 marks each
i.	Explain the Camera API in Android with suitable examples.
ii.	What is Intent in Android? Differentiate between explicit and implicit intent.