	Avishkowar Powowe sussmile
	Avishkowar Powowe Eussmile AD-1224 Semester 4 Page 1
	Android Programming - Assignment
Ques	1: (a) Why JAVA is considered to be platform independent?
	Java programs ours on Java Vintual Machine which is platform dependent · But JVM allows java programs compiled anywhere to nun on it.
(b)	Describe the requirement of Kernel Layer in Android Architechture. It manages all the doivers such as
	display donvers, camera donvers, Blue tooth donvers, memory etc. which are necessary foor android device to perform. It gives
Same and the same and the same and	indirect access /authorized access to user for these drivers.
	Write code snippet to handle click event on a button named "ButtonA" in an activity.
	public class Main Activity extends AppCompatActivity
	private Button Button A;
	@ Overvide protected void on Create (Bundle Saved Instance State)
er inn lie termina en erekenangen erekenangen.	Super: on Create (saved Instance State); set content View (R. layout activity main);
	sot Content View (R. layout activity main);
	Button A : set On Click Listener (new View.
grant or stands or a sign	On Clicklistenert

public void on Click (View view) J. 11 Da Some work (d) Explain the following terms: (i) SDK Manager (ii) Android Emulator (i) SDK (Software Developement Kit) Marager is a tool that allows user to downled various Android SDK. which are the necessary tool for development of Software. (ii) Android Emulator is a virtual device that allows to emulate a physical and roid davice on software of PC/laptop

on which we are developing our application



Questi (a) What are ART & DVM ? Explain. Datvik Viertual Machine (DVM) is a viertual machine on top of Linux which enables to ruin dex (Dalvik executable file)

Android Runtime (ART) is more better version of DVM, it enables to precompile java code into byterode thus enabling faster execution as files are abready of in native form. It need more storage to store apps in native form.

DVM converts bytecode every time you launch app.

ART converts it just once at the time of app installation. Thus faster-

(b) Suppose there are two activities -- using liferycle methods.

A · on Pause () A. on (reatel) A. on Resume!) A on Destroy A. onStart() A·on Stop() A. onResumel) B.on Createl)

> B.onStart() B. on Resume () B. on Pause ()

B. on Stop() B. on Destroy ()

Ores 6- Give the necessary code snippets that need to be incorporated to soud on to receive brodesst messages.

To send Intent intent = new Intent (); intent. set Action (" com. example. Brodeast"); intent. put Extra ("message", "Hello World!"); send Brodcast (intent); # To Receive public class MyReceiver extends.

BrodastReceiver { a Override Intent intent)

of if (intent-get Action1) equals ("com example · Brodcast")

(String message = intent · get String Extra

("message");

Log · d ("My Receiver" "Received message:

+ message); public void on Receive (Context context) War Street A Valuation A · (194, 190) no . A Coloration 11