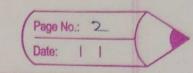
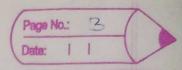
	MAD  Wishwas Achasya  Page No.: 4.  Date: 11
표}	Explain the Android Application Compared in detail.
ane -	Application components are the building blacks of an ardroid application
	the application memifest file Android Monifestian that describes each component of the application and how they interact.
•	COMPONENTS
	Activities &- They directate the DI and handle the uses interaction to the smoot phone screen
£ L>	Services: They handle background processing associated with an application
1->	Brandrast Receivers: They handle communication between Android Os  and applications.
<u> </u>	Content Providers: - They handle data & destabage management issues.
Ls	Fragments: - Represents a portion of weer interfore in an Activity.

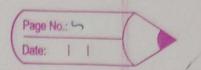


5 Views 8- UT elements that are drawn on-somen including buttons, liste forms etc. 10 Layouts 3- View hierarchies that control screen format and appearance of the views 1> Intents 3- Messages wising components together 10 Resolverce 3- External elements, such as string, constants and drawable pictures 5 Manifest :- Configuration file for the application. 24 Explain the Manifest File. Ans - The Android Manifest xml file contains information of your package, including components of the application such as activities, services, broadcast receivers, content providers etc. - It performs some other tasks also: to access any procted parts by providing the permissions to It also declares the android api that the application is going to use.

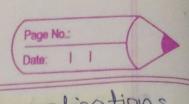


13 It lists the instrumentation classes. The Instrumention clouses provides profiling and other informations. These informations are removed just before the application is published etc. ELEMENTS OF THE Android Manifest will bile · (manifest) is It is the root element of the Android Manifest xml Pile It has package attribute that describes the package name of the activity class. < application> is It is the subelement of the manifest Tt includes the namespare declaration. This element contains several subelement that declares the application component such as activity etc is the commonly used attributes are of this element are icon, label, theme, etc. o Sactivity> and represents an activity that must be defend in the Android Manifest xml is It has many attributes such as labely

name, theme, laurch Mode etc.



o Kentent-Polters 15 It is the sub-element of activity that describes the type of intent to which activity, service or broadcast seceives as sesbond to < action> 1) It adds on action for the intentfilter The intent-filter rough have at least one action element · contedosis. y It adds a category name to an entent-filter. 34 Define and Explore the Development Envisonment of Android - Development environment of Android are Ang defined as follows: - Android application development on either OF the following operating system-L> Minsosaft Windows XP ex later Ly Mac OS X 10.5.8 08 later vession with Intel chip 13 Linux induding Genu C Library 2.7 - Second point is that all the sequired



tools to develop analgorial applications
are freely available and can be
alounloaded from the web
- Following is the list of software's
you will need before you start
your will need before you start

Lo Jova JDKS 08 Jates vession Lo Android Studio.

- Here last too components are optional and if you are working on windows machine then these component make your life easy while along Tova based application development.

· Set-up Java Development Kett (JDK)

Jou can eloupload the latest verious of Java 5012 from Orocle's Java site-

· Android IDEs

- There are so many sophisticated

technologies are available to develop

android applications, the familiax

technologies, which are predominantly

using tools as follows

Ly Android Studio

12 Edipse IDB (Deprecated).