Components of Android Application:
There are many building blocks which
are mecessary to build an Android
application. Main components are:
1) La cochiaties
2) Services
3) Content Providers
4) Broadcast Receivers
-> Activities:
They are presentation layer of our
application. The UI of our application
is built around one or more
eschension of Activity class Activity
set layout and displays output and
also respond to wrees actions.
7 Services:
These components sun at backend,
undaring your data sources and activities
undaring your data sources and activities triggering Notification and also
broad cast intents. They also perform
some task when application are not
_ cactive.

QUESTION NO.: 1
There are mainly two types of services: 1) Foreground services 2) Background services Sontent Providers:
It is used to manage and persist
application data also typically interacts
With SQL database. They are responsible
for sharing data beyond application boundaries Content Providers of particular
A
cyplication can be configured to allow
access from other application.
-> Broadcast Receivers:
They are icalled intent listeners as
they enable your application to
lesten to intents that satisfy matching
criteria specified by us Broadcast
receivers make our capplication react
to any received intent and used
to make event driven application.

The 4 v's of lig data: 1) Volume: Big data meeds certain amount of data but having huge amount of data ages not inecessarily mean that you care working on this field of data. Sources are mobile phone, social media, machines data, etc. 2) Velocity: Velocity refers to enormous speed with Which data us generated and processed As more data will be generated, there are more methods needed to monitor the clata. Il the data generated from various sources will be stored and processed in very high speed inorder to meet today's demand 3) 'Variety: It refers to nature of data that is structured, semi-structured and unstructured. It also refers to heterogeneous sources Structured data: Field & heading and datatype is known

Semistructured: This is semioganized
data : Example : log files. Unstructured : Here data is not organized
Unstructured: Here data is not organized
at all. A consist of test, pichnes,
videos, etc.
4) Veracity:
It refers to inconsistencies and
uncertainty un data that is account
un hich up anallable cam sorrecons
cast many and alliety and considered
in dillivir to the sound of the
create confusion william or
of data could convey half or incomplete information
incomplete information.