* Data Analytics * Unit Test 1 Question 1 * Current Analytical Architecture 1 Data Sources 1 Deportmental * Analytic Architecture 4 Data Science Question 2 * Big Data Data is created constantly, and at an ever-increasing rate.

Mobile phones, social media, imaging technologies to determine
a medical dignosis—all these and more, create new data that must be stored somewhere for some purpose. Devices & sensors automatically generate diagnostic information that needs to be soved & processed in real time.

· Big Data Characteristics: ① Complexity of data types & structures. ② Speed of new data creation & growth.
1) Complexity of data types & structures.
2) Speed of new data creation & growth.
V V
*Question 3
Data analytical life Cycle
It has six phase as mentioned below:
(C) perationiste (1) Beovery
(Coppendients)
- (2) Pota
THE
(8 Commicate)
KENUS .
(E) Model
Brilling / Planning
Phase 1: Learn the business dominin and its related dite.
Phone 2: Presence of analytic Sandbox.
Phase 2: Presence of analytic sandbox. 3: Petermine the models, techniques & workflow it intends
to follow.
4: Develop data sets for testing, training & production
5: In collaboration with major stake holders, determine
if the results of project
4: Develop data sets for testing, training & prodution 5: In collaboration with major stake holders, determine if the results of project. 6: Deliver final reports, briefing, code & technical documents. & nu pilot project.
documents. Le un pulot project.

* Question 4 Big data ecosystem:

Organisations & data collectors are realising that the data they can gather from individuals contains intrinsic value & as a result, a new economy is emerging. Tollowing cosits consists of Big Data ecosystem:

Data Devius Eg. Smart phone , Pc, ATM, RAD. 2 Data collectors Eg. Government, Medical, Internet 3 Data aggregators Eg. Websites, Media, Analytic Services Data Usen Byens G. Delivery service, Adventers. * Question 5 BI vs Deta Science *BI tends to provide reports, dosh board & queries on business questions for the current period or in the past It make it easier to answer questions related to grater-to-date verence, progress toward quaterly targets be understand how much of a given product was sold in a prior quater or year. * Pata Science It tends to use dis-aggreated data in a more forward -boking, exploraty way, focusing on analysing the present &

enabling informed decisions about the future.

* Question 6

4 Main players are:

1 Descriptive Ay Analytics

It explains what happened.

Diagnostic Analytics

Vis used to determine why something happened in
the past.

3 Predictive Analytics Is used to predict future outcomes.

Prescriptive Analytics
To recommend an action based on the forecast