Aryaman Misking 0801CS191016 Agile Assignment -

A. Agile methodology = It is a set of

principles Hather than one single principle Its principles are applied in olker more specific methodologies such as entreme priogramming scrum, etc. Its a practice based or continuous strations of development & testing where these activities run side by-side projects made in agile one charaterised by a series of tasks which are performed dynamically.

waterfall model -> This model is linear which focuses on up pront planning with pre-defined requirements. In this model each phase needs to be completed before moving on to pent step. In this work cascades like a waterfall, through various project phases.

Q2)

A. Roles in Scrum are quite different from the traditional software methods. Clearly plefined profes and empectations help individuals perform their tasks efficiently In Scrum, there are 3 roles:

- a) Product Owner
- b) Pavelopment team
- c) Schum master
- -> All these together are known as Scrign team

Scrum Master => Helps the product group learn & apply Scrum to achieve business value. The scrum master does whatever is in their power to help the team. Product Durer & Organisation be successful

Phoduct Owners - To responsible form
maminising return on investment (Rot) by
identifying product features translating
these into a phiotoxised list deading which
should be at the top of the list form
the ment sprint and continually mephiomitizing and refining the list

· Development team => It is a collection
of individuals working together to
develop & deliever the neguested & committed
product increments, It comprises of
cross-functional numbers who are capable
of activing the sprint goals



63) Product Borcklag Sprint Backlog It is the list of all . It is the list of all the items that need to the items that have been be completed so that taken from the product the end product can be Backlog & has to be developed. completed so that the sprint can be completed The product owner is The Development Team Mesponsible for the freduct Backley is nesponsible for the Sporint Backley. Specific to the entire Is specific to only the goal of the Product Sprint goal in a Particular sprint It is independent of of this purilly the Sprint Backley dependent on the freduct backlog 6.4) Scoum meeting plays ar intogral role in a work environment adapting sceum methodology, They are considered to be an invalvable gource of collecting information ? feed back from the dev. team & they peop them synchroise with sprint goods

Types of Scrum meetings are:

- 9) Spirint Planning meeting or They are held in beginning of every sprint. Endine team is present in this meeting including prioduct owner & sour master the prioduct owner emplains backlon I terms & discussion is done. Then der team comes with sprint goal & backlon.
- b) Daily Scown meeting > Those occary daily held at same time & place every day one held for 105 min. only Tast statuses & minimizer are discussed.

 Daily achivements of a day before are analysed too
- c) Sprint Review meeting > It is held at end
 of every sprint. In this meet demonstration
 of functionality of product & what how
 been achieved in a sprint is discussed,
- Durpose of reviewing what went sight e scope for improvements.
- e) Backley Refinement Meeting In this backley of them are categorised & printorized of after a technical discussion to make sure that the team understand whost emachly is needed

0.5

A Team Velocity => It is a measure of the amount of work a team can tackle during a single aprint & is the key metric in Soum.

emplainations of a software feature written from the purpoetive of and user,

Story points -s It is a metric used in Agile
Project management & Development to
estimate the difficulty of implementing of
a given user story.

Buen Down chart => It shows the amount of work that has been completed in an epic on a sprint, and the total work memaining.

Burn Up chart => It shows the amount of work
That has been completed & the toot

total scope of the project