**Agile and Scrum**

**Explain the agile methodology of working and its purposes**

The Agile methodology is a type of project management approach that involves breaking the tasks of project into groups, commonly known as sprints. Teams follow a SDLC in every sprint in different time.

the purposes of agile are:

1. Work flexible

2. Time-Efficient

3. Speed performance through complete the main features of project then deployment the project.

4. Frequent Changes

5.Customer Satisfaction by done work in less time.

**Compare between agile and waterfall models : advantage, disadvantage, when to use it, best practice of both**



**Waterfall model**

Advantage: provide whole view of project at the begining.

Disadvantage : delay in completing project.

Use: If the time factor is not important, Limited Resources, Small to Medium-Sized Projects, Little Changes Expected and Well-understood Requirements

Best practic : buliding of house



**Agile model**

Advantage: Work flexible, Time-Efficient

Disadvantage : prioritizes working on projects rather than paperwork. thus will be have less documnetaion

Use: Unclear or Changing Requirements, Complex Projects, Quick Time-to-Market,

Best practic : bank system