## Module-1

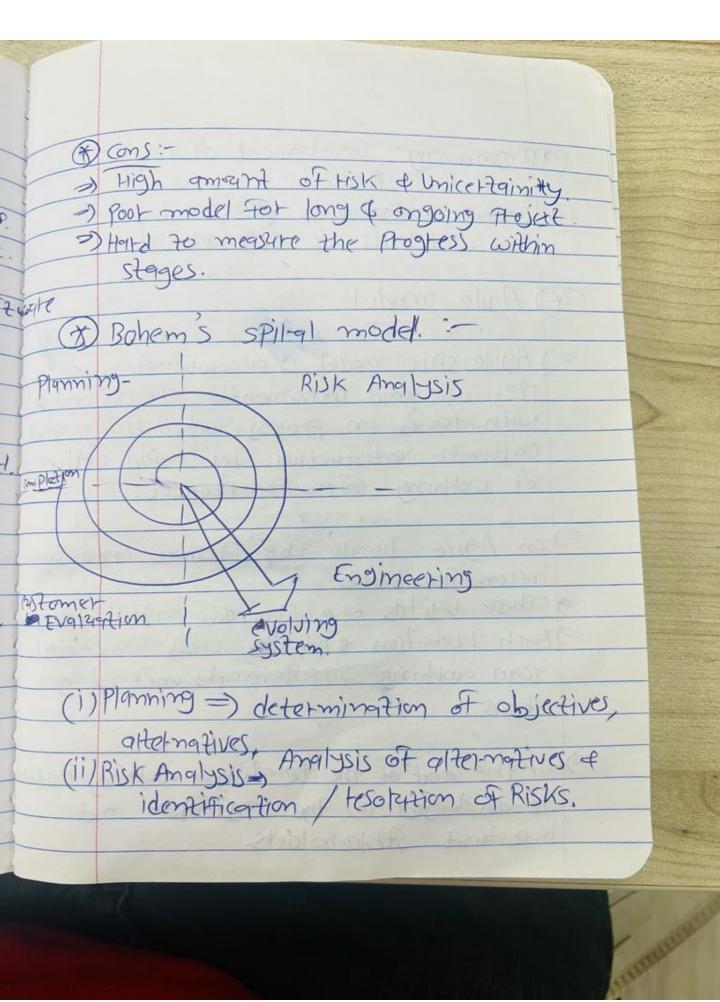
- ( what is splc:-
- 2) Software development life cycle.
- SDLC is a structure imposed on the development of a softgiate Product that defines the Process for Planning, implementation, testing, documentation, deployment, and ongoing maintenance and support.
- Phases that Provide a model For the development and lifecycle management of an application.
- That is software Testing?

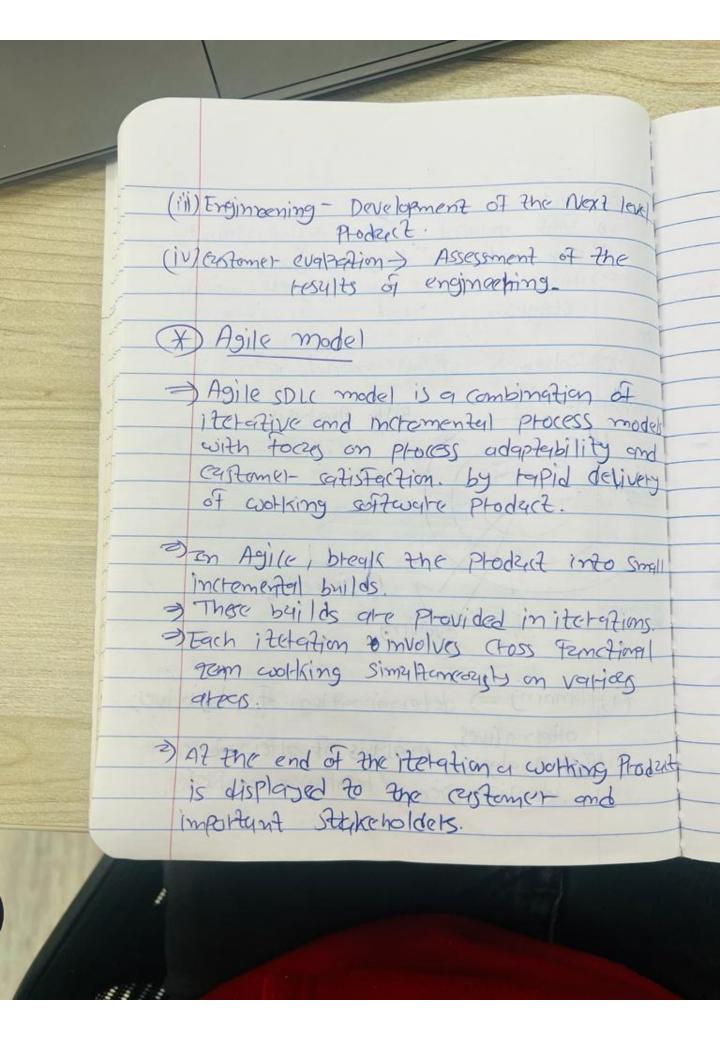
  3) software Testing is a process used to
  identify the Confectness completeness,
  and quality of developed computer software
- Agile SPLC model is a Combination of iterative and incremental Places models which faces on Places adaptability and castomer

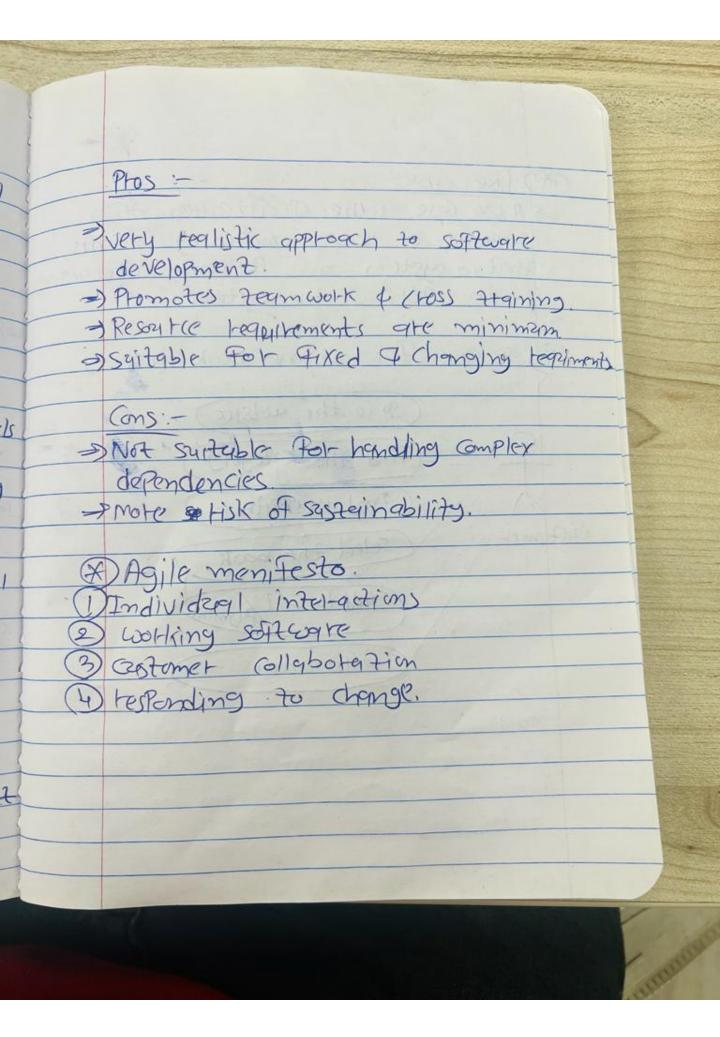
satisfaction by topid delivery of worth software Product. -) In Asile the zasks are divided to time boxes go deliver specific features for a telegge. \*) What is SRS -3 software reggirement specification is 9 complete description of the behavior of the system to be developed. D what is oops a) Identifying objects and assigning tesponsibilities to the objects. 3) objects commercicate to other objects by sending mosseages.

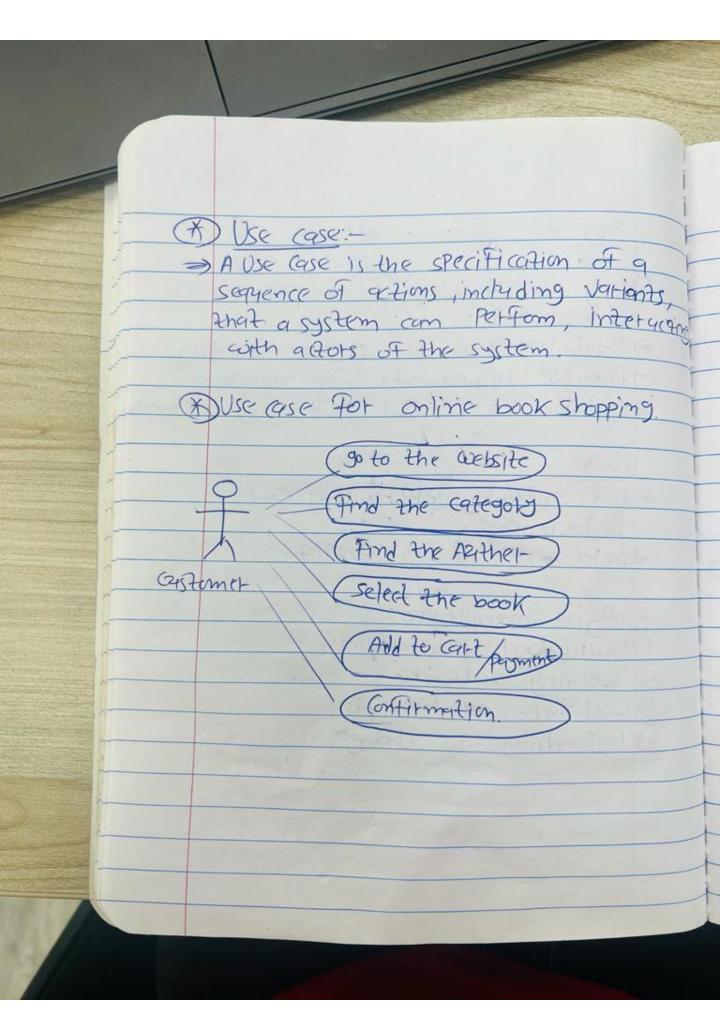
Bahat is abject? a An object represents an individual identifiable item Unit of entity either toll of abstract, with a well defined told in the Problem domain. JAn object is Anything to which a concept applies. 1 what is doss? =) class is nothing but the burpint for an object. A class represents an abstraction of the object and abstracts the Proportion 119 and behavior of that Project.

D spic Phases:-	
(1) Requirement gathering strond (21stomer need)  (1) Analysis > Mode) & Specify the requirement  (1) Design > Model & Specify the Solution.  (1) Implementation > Construct the Solution in satisfy  (V) Testing > Validate the Solution  (VI) maintenance. > Repair detects	1
A) higher postal Model.  3) this is a classical software lifecy le model.  3) In this requirements must be Frozen com  3) requirements are validated too late.  When to use:	P
7 Imarile 1	57
De Phos  Dimple 4 casy to understand and use.  Description of the stand and use.	









\* Osciase for online bill Payment. C30 to website login Select the Payment options. Enter the Card Information (21)tomet Proceed to charkout) Hansation Confirmation

(X) Polymot Phism: => Polymotphism means having many Forms. => It allows different objects to tespond to the same message in different ways, the response specific to the type of the object. 3) The ability to change form is known as palymorphism. mg (\*) Inhetitence:-= Inheritance means that one class inherits the characteristics of another class. This is also alled a "is a" telationship.

(\*) Geretal Testing Principles 1 Toting shows presence of defents 3 Exhauctive Testing is impossible. 3 early testing 4 Defect clastering 3) the paticide paradox 3 Absence of errors Falkey. (X) Engapsy lation: = Enapsylation is the Ptactice of including in an object everything it needs hidden From other objects. The internal state is usually not accessible to by other objects \* Abstraction -=) Abstraction is the representation of the ossential features of an object. these are encapsylated into an abstract dates type.