Part B

-> Abstract key word is used to declare abstract class

Abstract Class

-> Doesn't support mult ple

buheettance -> Con provide Implementation of Interface

-> Contains both in complete 3 complete meintier Inter face

-> Interface begword. is used 60 de clare Interface. -> Supports multiple when tance.

-> Court provide implementation of alastract class.

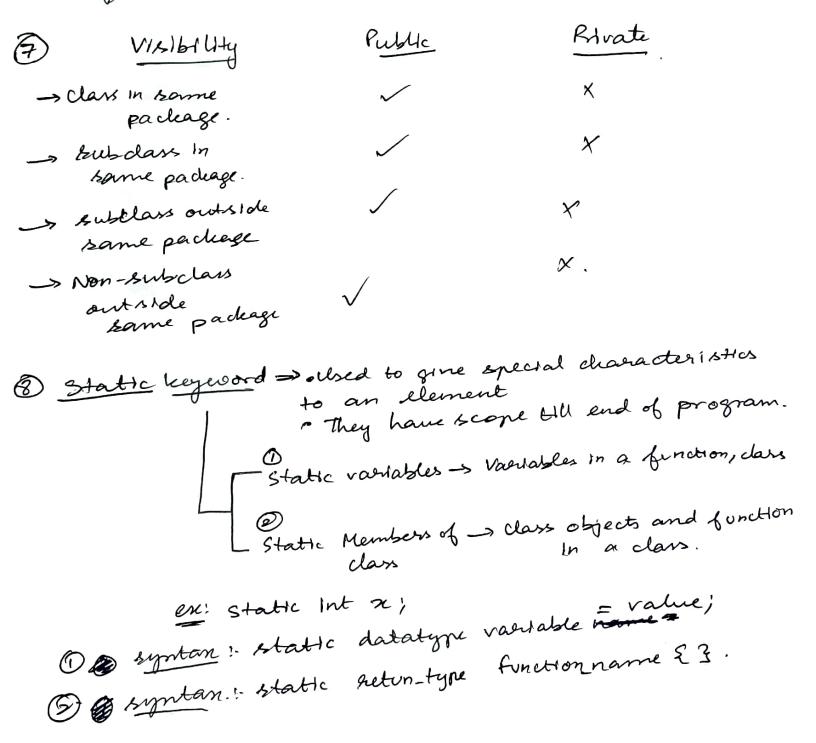
-> Contains only incomplete member.

top a char-3. Object oriented software Development Upe cycle model. Regulrement specification Testing

Reguliement

Expecification => Description of Function of software 3 expected respondere. -> Mechanism to transform user hequirements into suitable form, which help the programmer in software coding and implementation. >> Transformation of the software technical data package Into one or more configuration items that are ready for software acceptance testing. I method to check whether the actual software product matches expected requirements and to ensure that softmare product is defect free.

POP provided into objects _s Divided into functions Bottom up approach. -> top down approach more secure. -> less secure Deals with data -> Deals with algorithms ex: C++. en! C



10. Type conversion example program. >> # Include Clostream? using namespace stol; but main () ? double x = 1-2; mt som = (Int)x + 1; -> explicit conversion from food to double to but. cout LE sum; neturn o; 3. 14 Example for pointer 3 explain: > # mclude Clostream> using namespace std; but main c> output cell 2 het V[] = {103; be =>10. Int * ptr; pto=v; cout 22 thr; 3. pointer => Symbolic representation of addresses. -> cereate/manipulate dynamic date structures. syntan : datatype *var-name; 15. Albonacci series. 4 Include </ostream. 47 asing namespace std; { fut n1 = 0, n2=1, n3, 1, no; cout ac " no. of elements"; dn >7 no; conteen 1 zen 2; for (1=2; 1 < no; ++1) { n3=n2+n1 cout ic n3; a 1 = n2/ n2 = n3/8 Return 0; 3

PA)

molude

-> Base use case is Incomplete

-> It is mandatory

-> No explicit inclusion lo cation

-> No explicit inclusion Condotion

eni Bank ATM

transaction

cus tomer Authentication

Extend

-> Base use case do complete

es Not mandatory

- Ras explicit entension location

-> Mas/may have explicit enteus ron conditton.

ex: Bank ATM transaction

Restend>>
Help.

23) Objects passed as finction parameters:
subsite object name as argument while calling the fem ctron.

syntan 1- function_name (object_name).

Include Clostocam> using namespace stol; dan Example

¿ public: int a; vold add (Example €)

{a = a + €·a;3}3;