

(+)

Name M. Junaid.

ID : 14608

Program BB(CSE)

Subject Software Eng

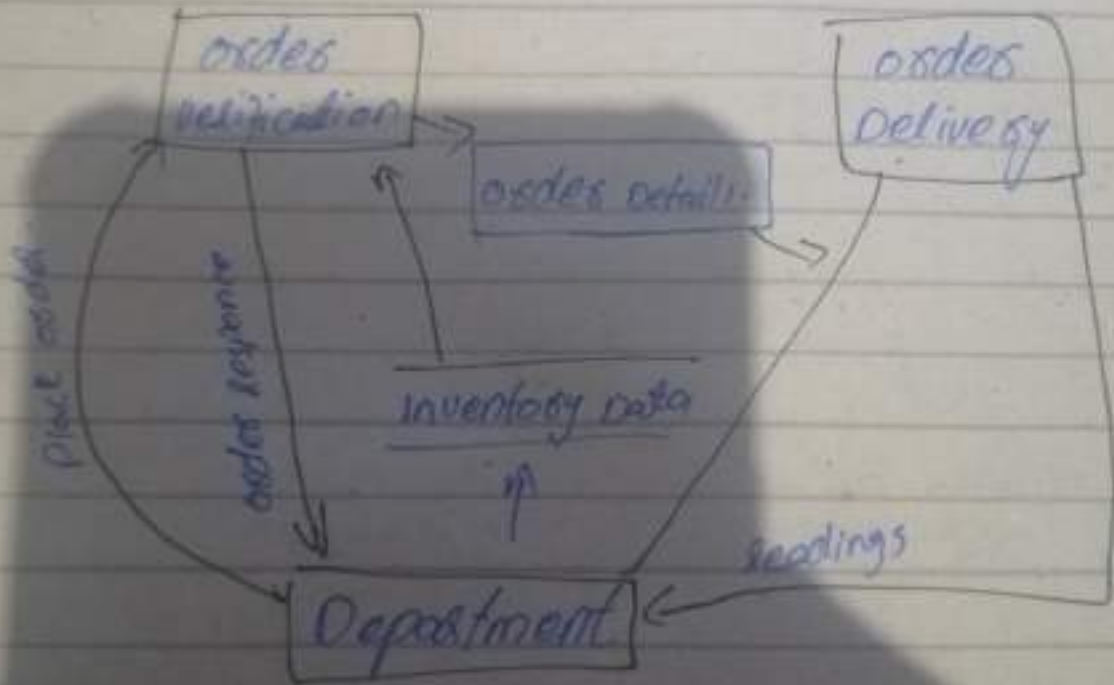
Final term Exam.

①

Q. No

Ans

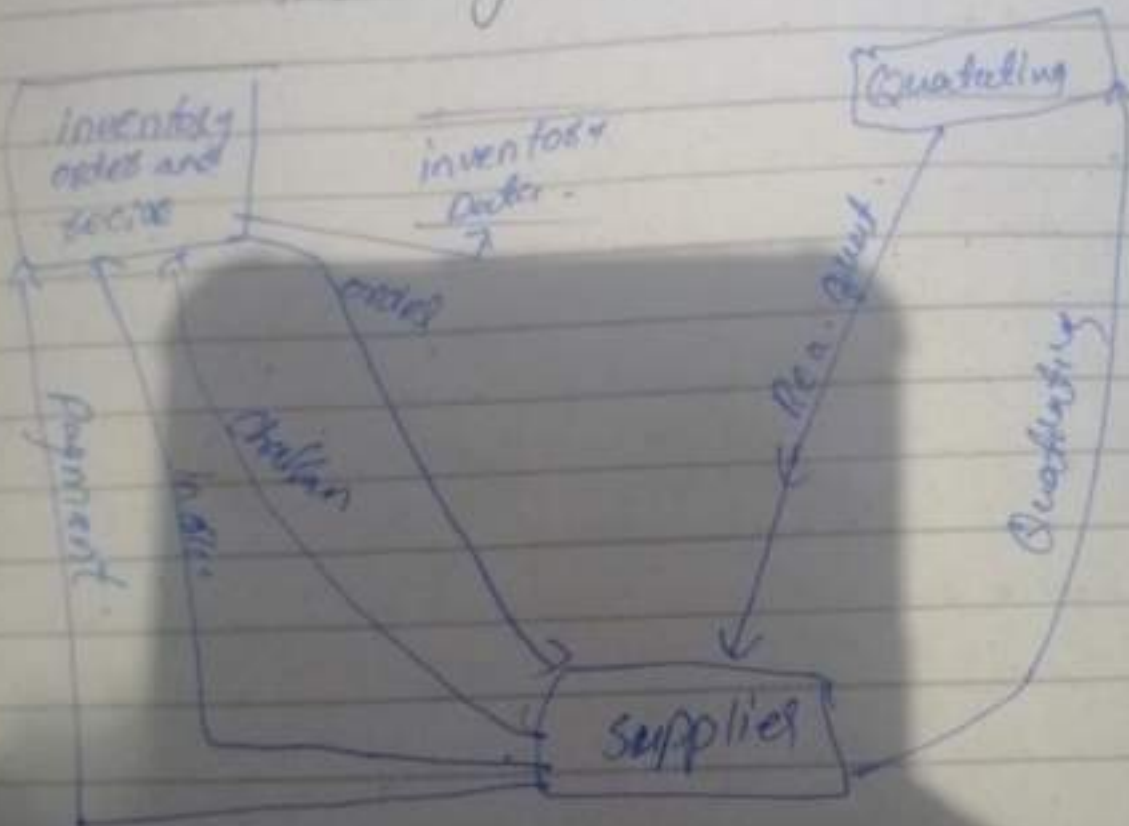
Diagram: order Registration process.



(2)

Q no (1)  
Diagram

# Inventory process



## System testing :-

System is a level of software testing where a complete and integrated software is tested. The purpose of this test is to evaluate of the system's compliance with the specified requirement.

Acceptance testing, system testing  
Integration testing, unit testing

## Black Box testing :-

Black Box testing is a method of software testing that examine the functionality of a application with out peeling into its internal structure or working. This method of test can be applied virtually to every level of software testing, unit, integration, system and acceptance.



5  
Q No 2.  
Part :- 2nd: 02

Define the following terms

- (1) Unit testing
- (2) System testing
- (3) Black Box testing
- (4) White Box testing

ANSWER:-

Unit testing:-

Unit testing is defined as a type of software testing where individual components of software are tested.

Unit testing of software product is carried out during the development of an application.

An individual component may be either an individual function or a procedure.

(4)

Q NO 2.  
Part "A" 1

Answer.

Testing can detect only the presence of errors not their absence because the main goal of the testing is to observe the behaviour of the particular software and to check whether it meet its requirement expectation or not. testing is a part of broader process of software verification and validation.

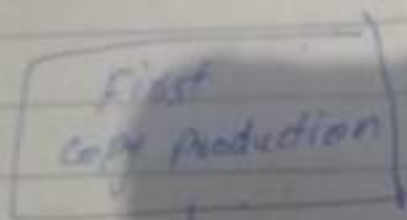
The goal of software testing is to observe the software behaviour to meet its requirement expectation. testing is a set of activities where the tester try to make the software behaviour anomalous in order detect a defect or anomaly to be later fix passing through which component testing can't detect these errors.

(3)

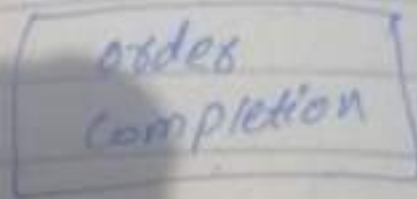
Q No 1.

Diagram

Users production



Printing Dress dat



order Detail



Costing



Inventory Data

No 1  
class  
subject  
3  
(7)  
White Box testing:

White Box testing is testing of a software solution internal structure, design and coding. In this type of testing the code is visible to the tester, it focuses primarily on verifying the flow of input and output through the application, improving design and usability, and strengthening security.



8)

Q # 3  
Part "A": 1

Ans

(1) Fault Repairs:

Coding errors are usually relatively cheap to correct design errors are more expensive as they may involve rewriting several program components. Requirements errors are the most expensive to repair because of the expensive system redesign which be necessary.

(2) Environmental adaptation:

This type of maintenance is required when some aspect of the system's environment such as the hardware the platform operating system or other support software changed the application system must be modified to adapt it to cope with these environmental changes.

### Functionality addition:-

This type of maintenance is necessary when the system requirements change in response to organizational or business change. The cause of the change required to the software is often much greater than for the other types of maintenance.

dependence between the types of maintenance.

In practice, there is not a clear cut distinction between these types of maintenance when the system adapts to new environment then add functionality to take advantage of new environmental features. These types of maintenance are recognized but a dipper person sometimes give them different names.