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Q:2 part 4

White box testing

is also known as

clear box testing, open

box testing, Glass Box

testing, Transparent box

testing, Code based

Testing or Structural

Testing) is a Software

testing method in which

the internal structure/design

implementation of the item

being tested is known

to the tester.

Question No 3

Part 1

'Types of Software maintenance'

* Maintenance to repair

Software faults.

- Changing a system to correct deficiencies in the way meets its requirement.

* Maintenance to adapt

Software to a different operating environment.

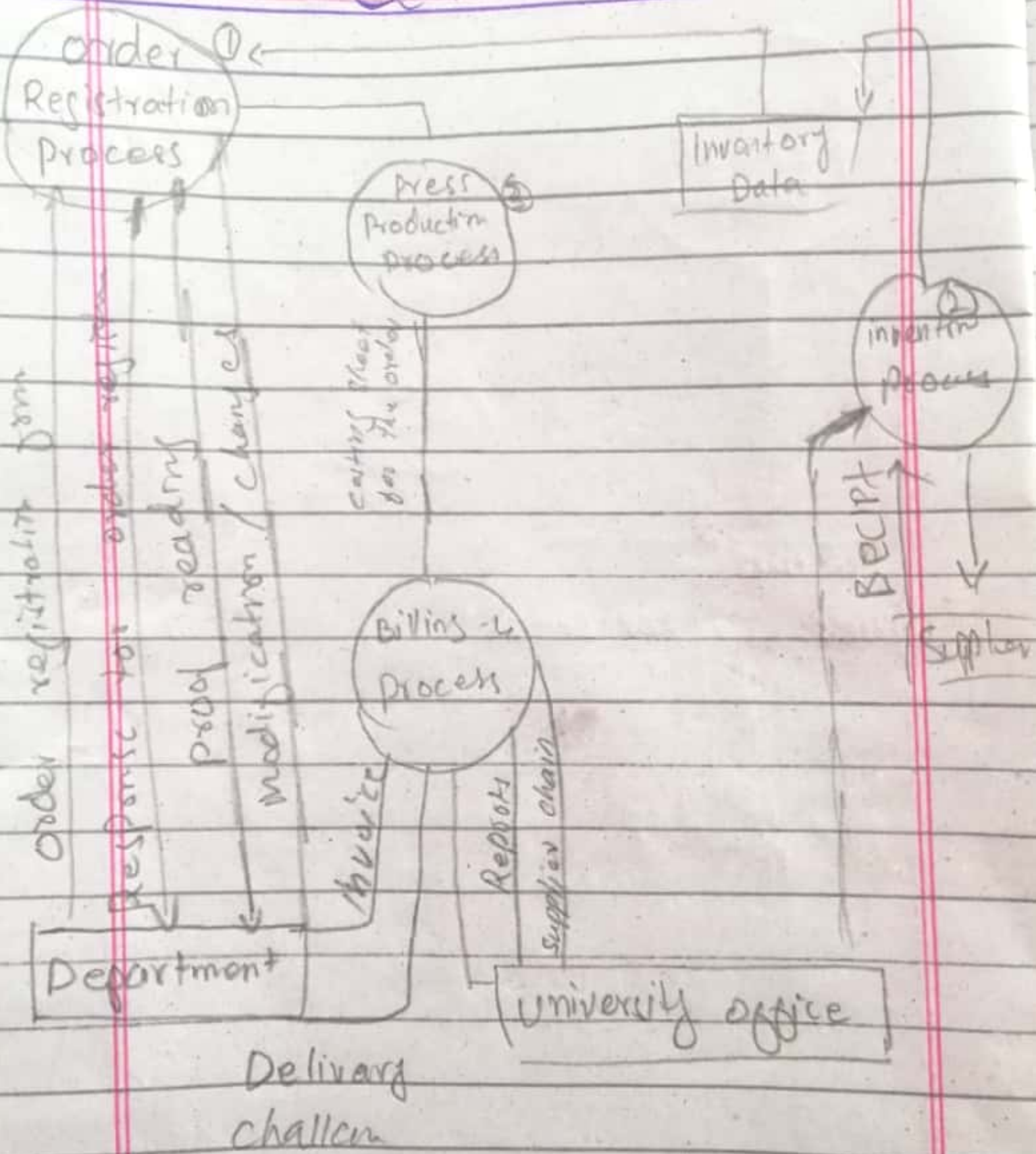
- Changing a system so that it operates in a different environment (computer, OS, etc.) from its initial implementation.

* Maintenance to add to or

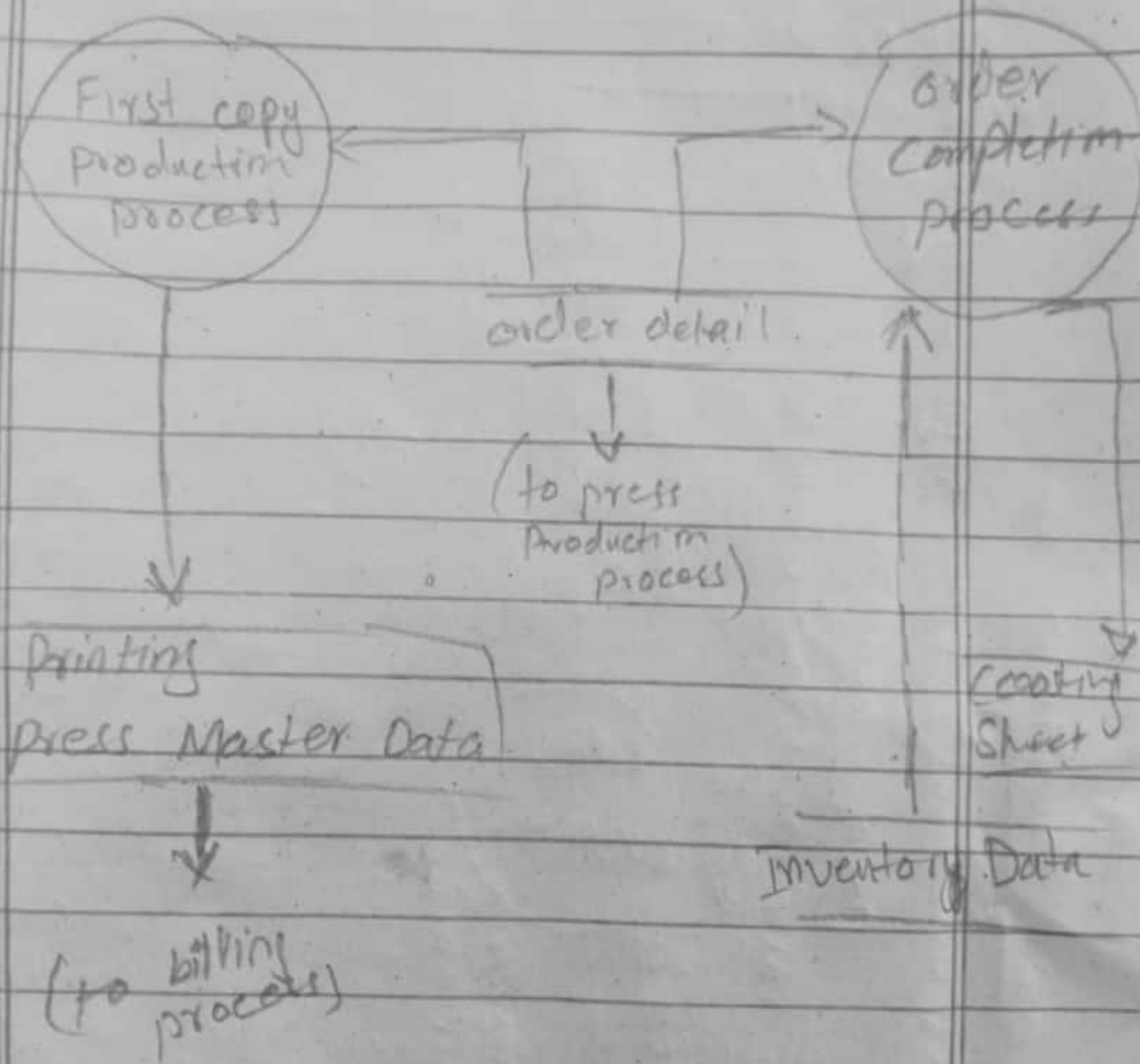
modify the system's functionality

- Modifying the system to satisfy requirement.

Q No 1.2



Q No . 1 . 3



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Question No. 2 ①

Explain why testing

can only detect the

presence of error, not

their absence?

Answer: 2 ①

The goal of software

testing is to observe

the software behavior

to meet its requirement

expectation.

Testing is a set of

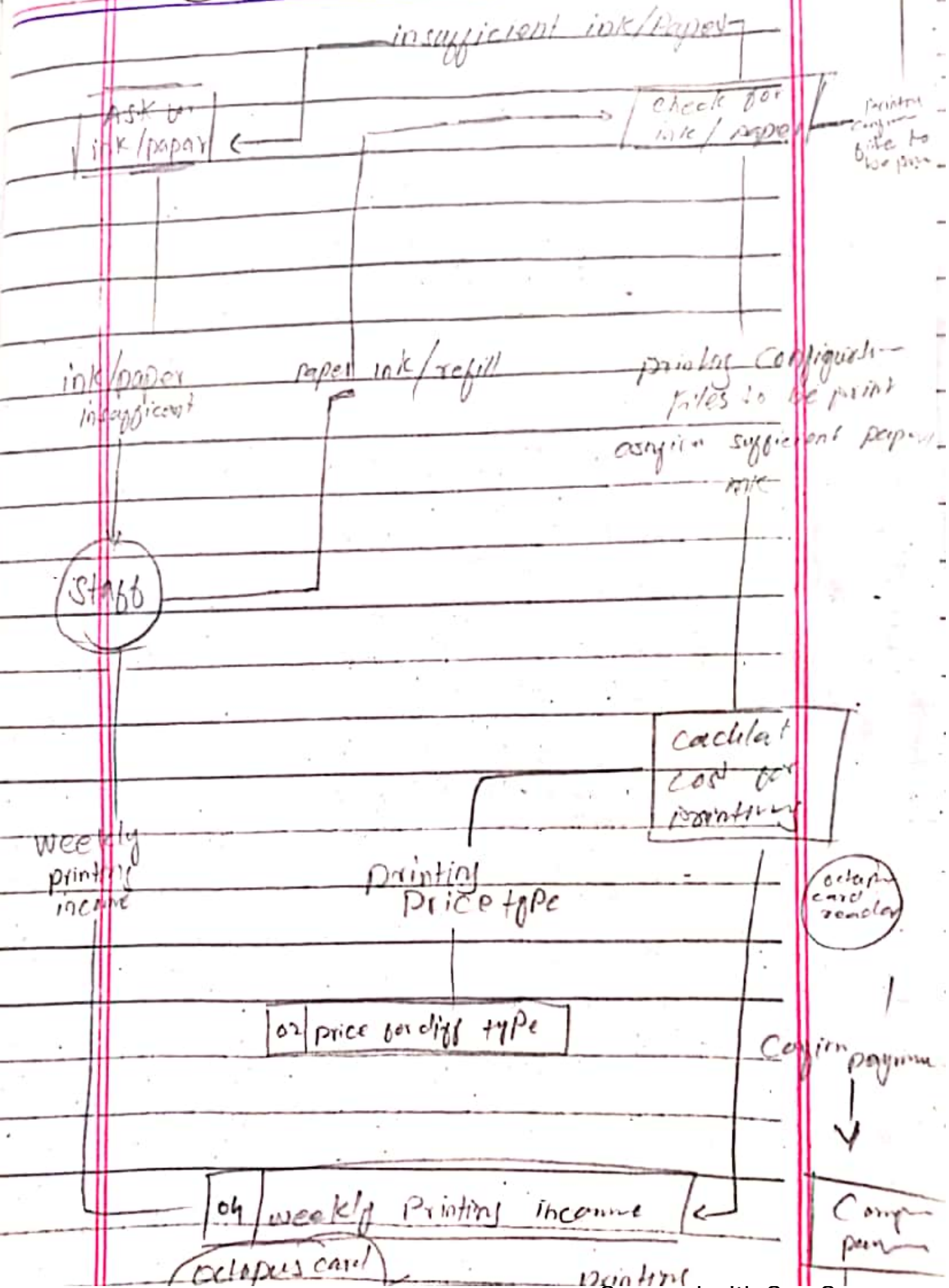
activities where the

tester try to make

the software behave to

anomalous in order to

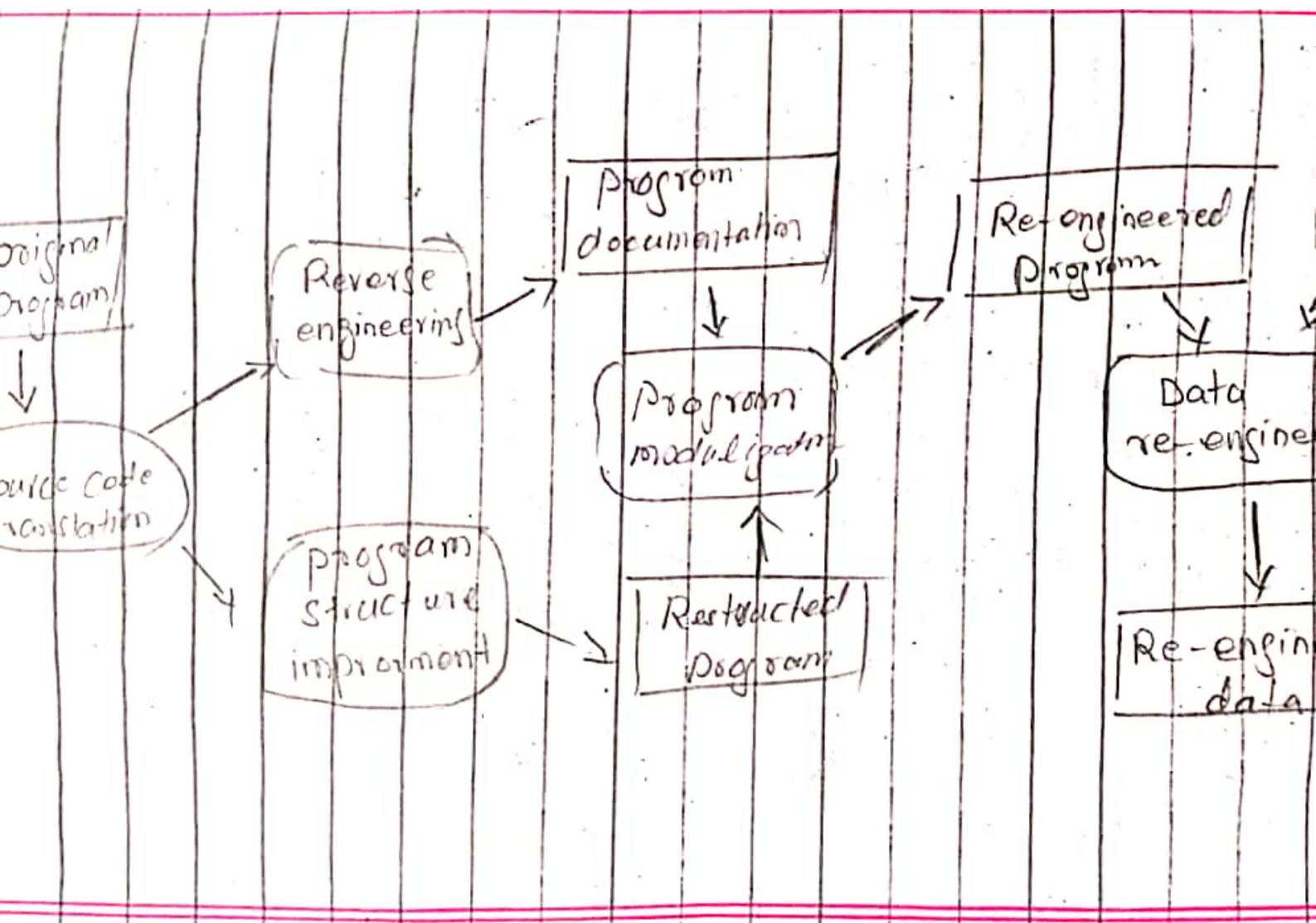
Question No 1.1.



it is sometime difficult to distinguish between the type of maintenance because they are often given different names and also because faults that arise within a system can maybe have overlapping maintenance requirements. Software development and maintenance are not separate activities.

Question 3 Part (a)

ANS The principal factors that effect the costs of system - re-engineering are:
The quality of the software to be re-engineered
The lower the quality of the software and its associated documentation
(if any).



System to evaluate the
System's System testing takes
as its input, all of
integrated components
that have passed
integration testing.

③ Black Box Testing:

Black Box Testing
is a method of
Software engineering
that examines the
functionality of an
Application without
peering into its
internal structure
or workings. This
method of test can
be applied virtually
to every level of
Software testing, units
integration, system
and acceptance.

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detect a defect or anomaly to be later fix.

Questions 2 2 part

ANSWER Define the following:

① Unit testing It's a

Software testing method by which individual units of source code, set of one or more computer program modules together with associated control data, usage procedures, and operating procedures, are tested to determine whether they are fit for use.

② System testing,

System testing is testing conducted on a complete integrated