Q.1 Hetrogenity challange

System are required to operate as distributed systems across networks. that include different types of computer & devices. One often has to integrate new software with older system written in different languages.

The challenge is to develop techniques for building dependable software that is flexible enough to cope with this hetrogenity.

Software should be platform independable.

Q.2 As compared, incremental has following advantages

① Cost of accomodating changing customer req. is reduced.
The amount of analysis & documentation which is redone is less than waterfall requires.

② It is easier to get customer feedback on work during development than when the sys is fully developed, tested & delivered.

③ Rapid dest delivery of software is possible even if all functionality has not been included. customers can use & gain val. from software from earlier which is not possible in waterfall model.

Q.3 Attributes of a good software

Maintainable :
                Should be easier & should adapt to change with customer requirements

Feexible : should be able to be used on different devices

Security : should be secure & safe that is. data loss of

Question 3

Our project is:

- **Maintainable** — can be changed according to the customer's need & requirements.

- **Dependable & Secure** — It is reliable, secure & safe. The data of customers is protected. Dependable in a sense that system failure doesnot cause any damage (physical or economic).

- **Efficient** — Provides services with efficiency & doesnot make use of wasteful resources (memory). Responsive & less process time.

- **Acceptability** — Understandable to user. compatible with other systems.

Question 4

For insulin, validation is the process to evaluate the software after the completion of development phase. to see if the software meets the expectation & requirement.

Requirement analysis is done along with ~~the~~ acceptance testing.

And design is also implemented & tested.

So, Therefore V-model will be used.