Answer to the Q. No. 1

Validation is the process of checking that the system meets the requirements of the customer. It is a difficult process because there are different stakeholders who have different requirements for the system. ~~The~~ This means that the client requirements could keep changing, and each time it happens it could effect the ~~plan~~ all the process. So the system being develop need gradual changes to keep up with requirements. ~~The~~ So planning a validation process needs to ~~b~~ done for each change. So the identified ~~needs in the initial~~ ~~stage~~ validation process in the initial stage may be different from the final system testing.

Answer to the Q. No. 2

Some faults that may check during the inspection process are given below:

→ Data fault: ~~of~~ Are initialized values used? Possibility of buffer overflow? ~~of~~ Have all constant been ~~named~~ named?

→ Control fault: ~~the~~ Is a condition of a condition statement connect? ~~of~~ Are loops ~~care~~ centain to end? Are compound statement bracketed connectly?

→ Input/Output faults: Are all input variables used? ~~Aa~~ Does all the output variables have values? Can input corruption/error happen?

→ Interface fault: Do formal and actual type match?

→ Storage & management faults: Is space de-allocated often if is no logn longer required?

→ Exception management, faults: Have all possible error conditions been taken into account?

Answer to the Q. No. 3

Difference between Alpha & Beta testing given below:

Alpha	Beta
→ It is performed by skilled employee of the organization in an user environment	→ It is performed by end users on client.
→ In depth reliability & security test not performed	→ In depth reliability & security test performed
→ Long execution cycle maybe needed	→ few very few execution cycle is needed.
→ Involves both white & black box testing.	→ Involves only black box testing.
→ Focuses on product quality before beta release.	→ focuses on the quality of the product based on user input.
→ Performed in the end of the development	→ Performed before launching the software

Answer to the Q. No. 4

Five tools name:

(i) Testpad
(ii) PractiTest
(iii) Requirement & Testing Hub
(iv) Test Moniton
(v) Quality Centen.