



Instructions

Please read the following instructions carefully before solving & submitting assignment:

Due Date:

Your assignment must be uploaded/submitted before or on **31st October 2011**.

Uploading instructions:

Please view the **Assignment Submission Process** document provided to you by the Virtual University for uploading assignments.

- Your assignment must be in .doc format.(Any other formats like scan images, PDF, Zip, rar, bmp, docx etc will not be accepted)
- Save your assignment with your ID (e.g. bc020200786.doc).
- No assignment will be accepted through email.

Rules for Marking:

It should be clear that your assignment will not get any credit if:

- The assignment is submitted after due date.
- The submitted assignment does not open or file is corrupted.
- Your assignment is copied from internet, handouts or from any other student (Strict disciplinary action will be taken in this case).

Note:

- Your answer must follow the below given specifications. **Marks will be deducted if you do not follow these instructions.**
 - Font style: "Times New Roman"
 - Font color: "Black"
 - Font size: "12"
 - **Bold** for heading only.
 - Font in *Italic* is not allowed at all.
- You should consult recommended books to clarify your concepts.
- It's better for you to submit the assignment well before the deadline.
- Do not put any query at MDB about this assignment, if you have any query then email at CS507@vu.edu.pk

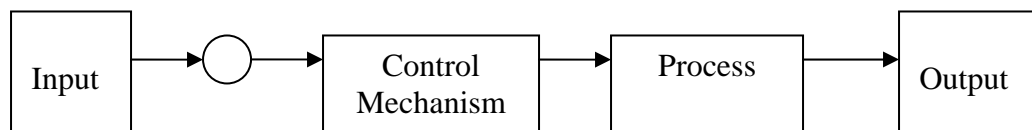
Q#1: A Shoe manufacturing company wants to transfer its manual working system into computerized based information system. Suppose you are in the design team who is developing a technology based information system. What factors would you consider while developing a new system? Mention at least five factors. [5 marks]

Answer:

There are many aspects of a design effort that have to be successful for the project to succeed. Some of them are given:

- I would take care about the specifications of the new information system.
- I would also ensure management commitment towards the management and support of the new IT system infrastructure.
- I will try my best to let the organization for the ability of the organization to accept change.
- I would ensure to maintain new IT system by IT technical support advisors on a regular basis
- There should be a backup in a computerized system.

Q#2: Given diagram belongs to a certain system. Identify that the diagram belongs to closed loop system or open loop system? Give three valid reasons to support your answer. [2+3 marks]



Answer:

The above diagram belongs to open loop system. As open loop system is a system that generates output signals but depends on the integrity of the system to execute them without feedback for monitoring or comparison purposes.

1. Components of open loop system do not include control and feedback mechanism due to non-existence of internally defined objectives.
2. It has just performed three operations which are input, process and output.
3. Controller tells what the desired process for the output and the controller sends a command to the actuator to try and achieve its goal.