DESIGNING OUTPUTS

WORKED EXAMPLES

10.1 **What is the difference between impact and non-impact printers? Give an example of each type of printer.**
Impact printers depend on a print head striking a carbon ribbon to transfer a character print on a paper. Non-impact printer does not have a print head. Characters are transferred on paper by a xerographic process. A line printer is an impact printer. A laser is a non-impact printer.

10.2 **For what types of outputs are video display units appropriate? What is the main difference in characteristics between video display units and printers?**
VDU is useful for interactive editing, on-line display of answers to queries, etc. A line printer is used for hard copy reports to be stored and distributed to a number of people.

10.3 **What type of output will you use for the following:**
 (i) Strategic management
 (ii) Tactical management
 (iii) Operational management

   (i) Strategic: Graphs, summaries, pie charts, etc.
  (ii) Tactical: Summary reports, exception reports, low volume printing. Graphical aids are also used to supplement.
  (iii) Operational: Detailed printouts. High volume reports.

10.4 **What is report generator?**
Report generators convert report specifications given in a high level language to formatted printed reports.

10.5 **What is the main difference between the design of an output screen for a video terminal and a page layout for a printer?**
Display screen size is smaller. As it is on-line, a user has to actively participate in using the display. Thus instructions must be given to users in a display on what to do next.

10.6 **Pick the appropriate graphics for the following applications:**
  (i) Relative enrollment of students in various departments in a University.
  (ii) Growth of student strength in a department over a period of 10 years.
  (iii) Sales percent of a product in 6 years of a country.
  (iv) Proportion of total revenue of a state from direct taxes, indirect taxes, public loans, land revenue, income from public sector companies, and miscellaneous receipts.
  (v) Engineering colleges established in different parts of a country
      (i) Pie chart
      (ii) Bar chart or trend chart
      (iii) Pie chart
      (iv) Pie chart
      (v) Map of India with data showing colleges in each region.