

C O M P U T E R

F U N D A M E N T A L

Unit - 5 . Usage Of Computer System in Various Domains

Topics Covered :-

• Computer Application in :

- Books publication
- Data analysis
- Military
- Design and Research work
- Point of sales terminal
- financial Transaction terminals
- Inventory Control
- Database management

• Assignment

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Usage of Computer in Book publication :-

- E-books : E-books comprises 30% of book-publishing marketplace. It reduces the use of paper and paper costs.
- Word Designing : Computer make designing book both faster and more complex.
- Going to markets : Computer play an important role in book selling through online. Books promotion is also done through computer by informing people through sending e-mails, newsletters etc.
- Booksellers : Their are a number of online sites that sell books online like Amazon. Through this the number of customers increases as market area is increased.

Usage of Computer in Data Analysis :-

- Many software are available to perform data analysis. Data analysis consists of statistical analysis of data and interpretation of results. Hence, computer makes this mathematical part easy.
- Computer makes data analysis more efficient and effective.
- It save our time and can help us to get deeper insight into our data.
- Qualitative data analysis softwares are used in various fields like psychology, medicine, educational science etc.

Usage of Computer in Military

- Communication: In military, to communicate with teams in far places is very important. There are specialized military communication that provide communication easy and in secure manner.
- Simulation: It help to train military personnel without actually putting them into actual war like condition.
- Military testing: Military schools uses computers for testing the aptitude of students.
- Military Secrecy: There are many ways in which computers are used in military to keep secrecy. It help to organize their files for safekeeping and easy access.
- Purchasing: Militaries can use computers to purchase supplies and equipments like food, clothes, gears, gun, weapon etc from more trustworthy suppliers.

Usage of Computer in Design and Research Work.

- Computers help in literature survey, formulation of research problem by providing huge amount of paper published, provide bibliographic reference.
- Computer helps in Data Analysis of research.
- Computer helps in Research Publication
- Thus, Computer makes research work easier and effective.

Usage Of Computer in Point Of Sales Terminals.

- Point of sales (POS) terminal refers to the place where a customer executes the payment for goods or service and where sales tax may become payable.
- POS system can be run only by using a computer.
- POS system comes either with or without computer.

Usage Of Computer in Financial Transaction Terminals.

- A financial transaction terminal is designed to receive both cards and debit cards.
- These terminals provides physical security of debit card terminal with flexibility of smart card terminals.
- Computers help in running these financial transaction terminals.

Usage of Computer in Inventory control:

- It ensures that immediate availability of much more complete data for use in making purchasing and related material decisions because of its speed.
- Receipt of Goods: When our business ships goods out of warehouse, a second scan can automatically tally the remaining stock and sends message to purchasing manager.
- Retail Turnover: Computers help in generating turnover of the warehouse.
- Stock management and Cost Reduction: Computers help in providing real-time picture of work flow, reduce in possibility

of theft or damage.

Usage of Computer in Database Management.

- All records are stored in one place and are easy to understand.
- Database is organised data collection and now-a-days computerized databases are in use.
- Computerized databases can be accessed by more than one person at same time. They can interrogate or query data and view the resulting answers, which can be made quickly available to users.
- It can easily output data in a range of different formats to suit user needs.

Assignment

Q.1) Explain the uses of computer in hospitals.

Q.2) Write a short note on usage of computer.

Q.3) Multiple Choice Questions:

(a) The usage of computer in education is started in:

(i) 1960s

(ii) 1970s

(iii) 1980s

(iv) 1990s

(b) The device which is used in stores to directly read the universal production code printed on each product sold is called.

(i) ~~Optical~~ Bar code reader.

(ii) Laser light

(iii) spy cam

(iv) Printer

(c) Set of instructions given to the computer is _____

- (i) program
- (ii) software
- (iii) Application
- (iv) Command

(d) -A word processor can be used to _____

- (i) write text
- (ii) edit text
- (iii) Print text
- (iv) -All of the above

(e) In military, virtual training is given is termed as _____

- (i) Virtual environment
- (ii) Partial environment
- (iii) Simulation
- (iv) Defusion.

(f) POS stands for _____

- (i) Parallel of sales
- (ii) Perk of sale
- (iii) Point of sell
- (iv) Point of sale.

4. Name some computer software that are used in :-

- (i) Book selling
- (ii) Data Analysis
- (iii) Database Management