



BCA SEM-I
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**COMPUTER FUNDAMENTALS AND ORGANIZATIONS –
APPLICATIONS OF COMPUTER**

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APPLICATIONS OF COMPUTER

1. DATA PROCESSING

Computers are used on a large scale to
PROCESS the data,
STORE the data,
GET INFORMATION from the data,
ANALYSE the data
and GET RESULTS from the data

APPLICATIONS OF COMPUTER

2. INFORMATION PROCESSING

Computers process the information so as to get understandable results.

These processes are:

ACQUISITION-Measuring physical world conditions like electricity, sound, temperature and pressure and converting into digital form,

RECORDING-Documenting and taking observations to preserve,

ASSEMBLING-Procedures involved in use of form, setting out in sequence all the operation concerned which will give facts and aids analysis,

RETRIEVAL- Identifying or extracting the needed data from the database

OR

DISSEMINATION-Data distributed so that it reaches maximum people and organizations

APPLICATIONS OF COMPUTER

3. COMMERCIAL

Helps in maintaining data of
DEBTORS and CREDITORS,
CALCULATING PAYROLL,
CALCULATING and FILING TAX FORMS
Useful for accountants to learn different software such as
Tally, Cash Manager, Best Books, Busy, etc.
Nowadays it is also useful for Online Payments.

APPLICATIONS OF COMPUTER

4. OFFICE AUTOMATION

Computer has replaced many manual application by digital applications

WORD PROCESSOR

SPREADSHEET

DATABASE

DESKTOP PUBLISHER

PROJECT MANAGER

PRESENTATION

COMPUTER FILE MANAGER

EMAIL

INTERNET BROWSER

INTERNET PUBLISHER

PERSONAL ORGANISER

FINANCIAL SYSTEM

PERSONNEL SYSTEM

ELECTION MANAGEMENT SYSTEM

APPLICATIONS OF COMPUTER

5. INDUSTRY

Computer are used for various purpose in Industrial sector:

- MANAGING INVENTORY-Ordering, storing, using and selling
- DESIGNING
- VIRTUAL SAMPLE PRODUCTS
- INTERIOR DESIGNING
- VIDEO CONFERENCEING
- ONLINE MARKETING
- STOCK MARKETS

APPLICATIONS OF COMPUTER

6. ENGINEERING

Supercomputers in Research and Development

Creating Topographic Images

Plot and analyze data for earthquakes

APPLICATIONS OF COMPUTER

7. HEALTHCARE

In Medical field computers are widely used to maintain database of PATIENTS HISTORY, DIAGNOSIS, X-RAYS, LIVE MONITORING, etc.

Surgeons use ROBOTICAL SURGICAL DEVICES and REMOTE SURGICAL OPERATIONS.

VIRTUAL REALITY TECHNOLOGIES are used for training purpose.

Helps to monitor fetus inside a mother's womb.

APPLICATIONS OF COMPUTER

8. EDUCATION

ONLINE CLASSES

ONLINE EXAMINATIONS

REFERRING E-BOOKS

ONLINE TUTORING

APPLICATIONS OF COMPUTER

9. GRAPHICS

COMPUTER ART
COMPUTER AIDED DRAWING
PRESENTATION GRAPHICS
ENTERTAINMENT
EDUCATION
TRAINING
EDUCATION
TRAINING
VISUALISATION
IMAGE PROCESSING
MACHINE DRAWING
GRAPHICAL USER INTERFACE

APPLICATIONS OF COMPUTER

10. MULTIMEDIA

EDUCATION

ENTERTAINMENT

BUSINESS

TECHNOLOGICAL SCIENCE

FINE ARTS

ENGINEERING

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