

Unit 4: Applications and Uses of Computers

Q1: Write the names of some fields where computer is commonly used?

Ans: The main fields where computer is commonly used are given blow:

- ❖ Business
- ❖ Home
- ❖ Education
- ❖ Industry
- ❖ Medical
- ❖ Airline system
- ❖ Weather forecasting

Q2: What is the importance of using computer in daily life?

Ans: Today, computer technology is playing very important role in every field of life. Different problems can be solved very easily and quickly by using computer. It saves a lot of time and cost to solve problems. In an organization, it is used in every functional area. The IT systems are the integral parts of these functional areas.

Q3: How computer can be useful for marketing the products in business?

Ans: In business, computer is very useful for the marketing of products of an organization. Many marketing application are available that can be used to provide information about the products to the customers. Computer is also used for advertising the products and to maintain the record of products.

Q4: What is the role of computer in stock markets?

Ans: Today, stock markets around the world are mostly computerized. Many stock markets launched the computerized system. These systems make it possible for stockbrokers to do all their trading electronically. Stockbrokers are interconnected through data communication networks. They submit and receive offers using their interconnected computers, where brokers match buyers with sellers.

Q5: How computer can be useful in banks?

Ans: Today, most of the banks are computerized. Computerized banking has provided several benefits and saved the time of customers. The accounts of customers are maintained through computer.

Q6: What is Office Automation?

Ans: Office Automation (OA) refers to the process of automating office tasks using computers. In an office, workers perform different tasks using computers. Many offices use the computer technology to perform various tasks.

Q7: List some important tasks that are performed in offices?

Ans: In an office, different types of tasks are performed using computers. These tasks include:

- ❖ Decision-making
- ❖ Communication
- ❖ Data storage
- ❖ Data manipulation
- ❖ Document handling

Q8: List some important computerized systems used in office automation?

Ans: Many offices use the following computer-based systems to perform various tasks. These systems may include:

- ❖ Document management system
- ❖ Office support system
- ❖ Message handling system

Q9: What is meant by document management system?

Ans: Document management system (DMS) consists of different applications that are used to prepare documents. These applications are:

- ❖ Word processing
- ❖ Desktop publishing
- ❖ Reprographic
- ❖ Image processing applications
- ❖ Archival storage

Q10: What is E-Commerce?

Ans: E-commerce stands for electronic commerce. It is also known as e-trade or e-business. E-commerce is a financial business transaction conducted electronically between business partners over computer networks (such as on Internet). This saves time for participants on both ends. The users can products or services via computer network.

Q11: What is ATM?

Ans: ATM stands for Automated Teller Machine. It is installed in most of the banks. You can draw money through ATM card from any branch of that bank at any time of a day.

Q12: What is Video Conferencing?

Ans: A videoconference is a meeting between two or more people residing at various places. They can watch and talk with each other. They use a network (i.e. Internet). To participate in a videoconference, you need a video camera, a microphone, speaker, and software (special video conferencing software).

Q13: What is robot?

Ans: A robot is an automatic programmable machine. It can move and perform mechanical tasks. It means that a robot acts like human beings. Robot can work in environment that is dangerous for human beings such as opening chemical packages. It can perform repetitive tasks continuously without any break at very high accuracy than human.

Q14: Discuss some applications of robots in industries?

Ans: Robots can also be used in hundreds of applications such as:

- ❖ Assembling & spray-painting of cars.
- ❖ Lifting of heavy equipments, power cables etc.
- ❖ Testing blood samples
- ❖ Performing experiments in artificial satellites and radioactive environments etc.

Q15: What is Computer-Aided Design (CAD)?

Ans: Computers are also used for designing of products. The computer-aided design (CAD) software is used to design the samples or models of the products.

Q16: What is computer-Aided Manufacture (CAM)?

Ans: Computer-aided manufacture is software. It is used to control the manufacturing process of the products. CAM software uses the output generated by CAD system.

Q17: What is meant by Computer Simulation?

Ans: A computer simulation is a special type of computer model. It is used to represent the real world system. In other words, computer simulation is an artificial system, which represents the working of an actual system.

Q18: Write the main benefits of CBT.

Ans: CBT has the following additional benefits:

- ❖ Students can easily obtain new skills.
- ❖ Training times can be reduced.
- ❖ Planning and timetable problems can be reduced or eliminated.
- ❖ It is not a costly method.
- ❖ It is a very attractive method to deliver lectures to students.
- ❖ Lectures can be repeated again and again.

Q19: What is online education?

Ans: The process of getting education through computer networks is called online education. There are many websites that provide a lot of information about various topics. Online lectures are also available on different topics on the Internet.

Q20: How a computer can be useful in weather forecasting?

Ans: The computer is also used in weather forecasting. For this purpose, computer based weather forecasting systems or models are used. The weather forecasting depends upon the accurate calculations on metrological data. The accurate data is collected from different weather stations and weather satellites.

Q21: Write some reasons of using computers.

Ans: There are many reasons for using computers. Some common reasons are listed below:

- ❖ Computers can work much faster than human beings.
- ❖ Computers never get tired or do not need a rest.
- ❖ Computers can do jobs that may be dangerous for human beings to do.
- ❖ Computers can store large amount of information.
- ❖ Computers can find information very quickly.
- ❖ The Computer never loses or misplaces information.
- ❖ Computers always give accurate results of calculations.

Q22: Write three main Characteristics of computer.

Ans: The computer has the following main characteristics:

- ❖ Speed
- ❖ Consistency
- ❖ Reliability
- ❖ Accuracy
- ❖ Precision

Q23: What is B2C e-commerce?

Ans: Business-to-consumer or B2C e-commerce consists of the sale of goods and services to the general public. In this type, customers or consumers can visit the website and purchase goods online using credit cards.

Q24: What is C2C e-commerce?

Ans: Consumer-to-consumer or C2C e-commerce takes place between two consumers. For example, one consumer sells an item through online auction and other consumer purchases the item by offering the highest bid.

Q25: What is B2B e-commerce?

Ans: Business-to-business or B2B e-commerce takes place between two businesses. One business provides the services to the other business. For example, many advertising companies advertise the products of other companies.

Q26: Define reprographics.

Ans: Reprographics is a process of reproducing multiple copies of a document.

