

Answers

1. Fill in the blanks with the appropriate words given in the box below.

ATM	E-Banking	Virus	E-learning
E-Register	Telecommuting	Antivirus	Phishing

- a) A/an **ATM** is a self-service banking machine attached to a computer through a network.
- b) A/an **antivirus** software is a program that will detect and remove computer virus.
- c) **Telecommuting** allows an employee to work from home.
- d) **E-learning** makes use of the internet resources for learning purposes instead of traditional classroom instructions.
- e) **Phishing** is an important problem in e-banking as customers need to be aware of fake emails arriving in their inbox.

2. Tick True or False next to each of these statements.

	True	False
A dot matrix printer uses a ribbon with a print head and a number of pins to print a document	True	
Another term for output is scanning		False
Thin film Transistor is a type of plotter		False
The speed of the inkjet printer is measured in pages per minutes.	True	
You can see the dots very clearly in near letter quality print.	True	

3. State the characteristics of dot matrix and laser printers. Discuss the advantages and disadvantages in using each type of printer.

Characteristics	Dot Matrix	Laser
Cost	Cheap	Expensive
Resolutions	Low/draft quality	Letter quality
Size	bulky	Heavy
Speed	100-400cps(slow)	4-17ppm
Uses	Ribbon	Toner

Advantage and disadvantage of Dot Matrix Printer

- **Advantage:** They tolerate dirty and hot conditions as are found in industrial environments.
- **Disadvantage:** The printer creates great deal of noise while the pins strike the ribbon to the paper.

Advantage and disadvantage of Laser Printer

- **Advantage:** Long-term non-printing effect will not change
- **Disadvantage:** Color toner cartridge are expensive

4. Considering a traditional 12-volume set of encyclopedia and a CD-ROM version of the same encyclopedia.

a) Two advantages of the CD-ROM version.

- It has a very large storage capacity.
- The sound and picture quality is excellent which makes them suitable for video and sound.

b) Give two advantages of the traditional book version.

- Understandability – you can put marks and take notes so that you can easily understand what writer wants to say
- No need for an e-reading device • No batteries needed – the only thing you need is book and you can start enjoying whatever the book has to offer you.

5. One of the biggest security problems for the travel agency comes from hackers who may introduce viruses into the system.

a) A virus is a piece of code designed to cause harm to a computer. Viruses are loaded in your computer without your knowledge and run against your wishes.

b) Two effects of viruses:

- Viruses can reduce memory or disk space.
- Some viruses can cause a computer to stop functioning normally.

c) Two measures that can be used to prevent virus attacks:

- You should always download files from only reliable websites.
- You should not allow other user to use their pen drives and external hard disks on your computer.

6. Define the following terms:

- a) **Program:** A computer program is a collection of instructions that can be executed by a computer to perform a specific task.
- b) **Peripheral:** A computer peripheral is any external device that provides input and output for the computer
- c) **Pixels:** A pixel is the smallest unit of a digital image or graphic that can be displayed and represented on a digital display device.