

Proficiency- Answers

1. Write True or False

- a) It is easier to update the information of patients when we make use of a computerized hospital management system. **True**
- b) We can only withdraw money from an ATM .**False**
- c) Computers are only used in offices. **False**
- d) A supermarket can make use of an automatic stock control system to detect the price of products. **True**
- e) Complex surgeries cannot be monitored by computers. **False**
- f) CT stands for computer Terminal. **False**
- g) Electronic Funds Transfer is a term that refers to the transfer of electronic money to take place. **True**
- h) Architects often make use of CAD software to design the model of a house or building. **True**
- i) Expert Systems can be used to track boo loans in a library. **True**

2. Match the following

Social networking website : It is used to communicate with other people
Electronic learning : It allows students to study at home
Payroll system : It is used to calculate the salary of employees
MRI scanner : It is used to examine inside the human body
Booking System : It should be reliable by preventing the same seat from being booked more than once

3. What do the following acronyms stand for:

- a) **CAD**: Computer Aided Design
- b) **EFT**: Electronic Funds Transfer
- c) **CAM**: Computer Aided Manufacturing
- d) **EFTPOS**: Electronic Funds Transfer Point Of Sale
- e) **CT**: Computer Tomography
- f) **ATM**: Automated Teller Machine
- g) **RFID**: Radio Frequency Identification
- h) **AI**: Artificial Intelligence
- i) **MRI**: Magnetic Resonance Imaging
- j) **MICR**: Magnetic Ink Character Recognition

4.

a) **An Operating System** is a set of programs that manages resources and overall operations of a computer. Operating Systems allow components to communicate with each other and enable the computer to run software applications.

b) **8 functions of the Operating System:**

- Manages the installation of new applications and deinstallation of unwanted applications.
- Manages system security such as handling user names and passwords
- Manages transfer of data between memory and backing store
- Provides user interface
- Allocates and keeps track of memory used for storing programs and data
- Handles errors which occur while users are working
- Manages file, helping us to save our work, organise files, find files and load files.
- Allocates processor time slot and manages priorities for each programming task that is running.

c) **Two examples of an Operating System**

- Linux
- Windows 8,10

5.

a) **UPS** stand for uninterruptible Power Supply

b) **An uninterruptible power supply (UPS)** is an electrical apparatus that provides emergency power to a load when the input power source or mains power fails

6. **State which form of backing storage medium is suitable for:**

- a) Backing up small files for personal use. **Floppy Disk**
- b) Storing the operating system on a personal computer. **Hard disk**
- c) Performing a network backup. **External hard drives**
- d) Archiving account details which are no longer regularly used. **CD-ROM**

7. A company stores details of all its stock on a computer system. Explain why the data is held on a hard disk instead of a CD-ROM.

Answer : The data is stored on a hard disk instead of a CD-ROM because hard disk gives fast access, it is rewritable and it also has a higher storage capacity than a CD-ROM.

8.

a) **A barcode** is an image consisting of a series of parallel black and white lines that, when scanned, relays information about a product. These black and white images are read by optical scanners

b) **A Barcode reader** is used to read the bar code.