

- A laptop is a small, portable battery powered computer that can be placed on user's lap.
- Mainframe are powerful and expensive computers designed to support many user and programs at a time.
- Super computers are the fastest and have high speed processing power designed for specialized applications.
- Embedded computer is a small computer fixed inside a machine to perform a particular task.



## Assessment Sheet

### A. Tick (ü) the correct option for the following statements.

- Electronic device which processes data and converts it into information that is useful to people.
 

a) <input checked="" type="radio"/> Computer	b) <input type="radio"/> Smart phone
c) <input type="radio"/> Calculator	d) <input type="radio"/> Printer
- A technology that is used in banks to ease the processing and clearance of cheques.
 

a) <input type="radio"/> ATM	b) <input checked="" type="radio"/> MICR	c) <input type="radio"/> CBT
------------------------------	--	------------------------------
- Typically, an ATM is used for one of the following purpose.
 

a) <input type="radio"/> Record keeping	b) <input type="radio"/> Budget making	c) <input checked="" type="radio"/> Withdrawing cash
---	--	--
- Select the devices which have embedded computer technology.
 

a) <input type="radio"/> Smart TV	b) <input type="radio"/> Microwave
c) <input type="radio"/> Washing Machine	d) <input checked="" type="radio"/> All of them
- The acronym PC stands for one of these.
 

a) <input type="radio"/> Private Computer	b) <input checked="" type="radio"/> Personal Computer	c) <input type="radio"/> Personal Compact
---	---	---
- This is another name for personal computer.
 

a) <input type="radio"/> Mini Computer	b) <input type="radio"/> My Computer	c) <input checked="" type="radio"/> Micro Computer
--	--------------------------------------	--
- This is the largest, fastest and the most expensive type of computer.
 

a) <input type="radio"/> Server	b) <input type="radio"/> Mainframe	c) <input checked="" type="radio"/> Supercomputer
---------------------------------	------------------------------------	---
- The first computer to wear the 'PC' label.
 

a) <input checked="" type="radio"/> IBM-PC	b) <input type="radio"/> MAC	c) <input type="radio"/> None of them
--	------------------------------	---------------------------------------



9. A series of supercomputers designed and assembled by India.

- a)  Param                      b)  Titanic                      c)  Cray

10. A small computer fixed inside a machine to perform a particular task.

- a)  Embedded computer                      b)  Micro computer                      c)  Smart computer

**B. Write any two computer based devices or technologies used in the following fields.**

	Smart Boards	Smart Phones
1. EDUCATION	_____	_____
2. MEDICAL	CT Scan	MRI
3. BANKING	ATM	Credit/Debit Card
4. HOMES	Smart TVs	Microwave

**C. Read the following statements and name the type of computer.**

**Help Box** Server, Super computer, Mainframe, Desktop computer, Tablet, Workstation

- |   |                         |
|---|-------------------------|
| 1. A type of personal computers designed to fit conveniently on top of an office desk.                              | <b>Desktop computer</b> |
| 2. A handheld computer, more portable than laptop that uses a touch-sensitive screen for typing.                    | <b>Tablet</b>           |
| 3. A desktop computer that has a powerful processor used for 3D graphics and game development.                      | <b>Workstation</b>      |
| 4. They are designed to support many users at a time, mainly used for airline or railway reservations.              | <b>Mainframe</b>        |
| 5. This is the main computer of the network and provides services/data to other computers.                          | <b>Server</b>           |
| 6. They are expensive and the most powerful computers generally used for weather forecast or in nuclear plants etc. | <b>Super computer</b>   |

**D. Recognize the following computer based devices and name them.**



**ATM**



**Blood Pressure Machine**



**Digital POS**

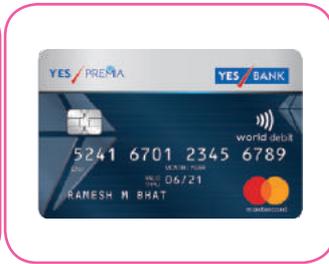


**Alexa**





**Blood Sugar Testing Machine**



**Credit/Debit Card**



**Tablet**



**GPS Receiver**

**E. Answer the following questions..**

1. Explain the role of computers in banking with examples.

**Today, banking is almost totally dependent on computers, help to reduce the cost and save productive time. Customer can operate their bank account sitting at home through internet banking. Banks are providing facilities to the customer for accessing/transferring money, paying monthly bills or shopping bills etc. using computer and mobile.**

2. Explain the role of computers in medical sector with examples.

**Computers or computer based machines in hospitals help doctors to diagnose the diseases of patients quickly and accurately. Blood test, blood sugar test and other medical tests are done through computer based machines examples, CT Scan, MRI Scan, ECG etc.**

3. Explain the role of computers in education field with examples.

**Computers are used in schools and colleges all around the world to improve the learning process. In a classroom, Computer Based Training (CBT) includes online tutorials, lectures, multimedia, presentations, online classes through the Internet. Teachers can also prepare slides in computers and teach through multimedia.**

4. Explain the term 'Personal Computer'.

**PC is an abbreviation for a Personal Computer, also known as a Microcomputer. It's designed to be used by only single user at a time.**

5. What is supercomputer? How is it different from mainframe computer?

**Supercomputers are one of the expensive and most powerful computers currently available. They have high speed processing ability and are employed for specialized applications like weather forecast, nuclear plants etc.**

**Whereas mainframe computers are designed to support hundred of users and allow simultaneous execution of many programs at a time.**

6. What do you understand by embedded computers? Give examples.

**Embedded computer is a small computer fixed inside a machine to perform a specific task examples, washing machines, Microwaves, Smart TVs , GPS Receiver**



## Computer in Everyday Life

- 1 Sonal is planning to buy a personal computer for study purpose. But she is confused between buying desktop or laptop computer. Following is the explanation about desktop v/s laptop computer with some missing words. Fill in the blanks with correct words and help her to understand the difference between these two.



### Desktop Computers

- a) Desktop is typically set up on a office desk or table with the intention that it will stay there for use.
- b) Desktop computers have more power and features as compared to laptop computers.
- c) Desktop computers have a less risk of theft, which means less chance of losing data.
- d) In desktops, components inside the case can be upgraded easily to increase the storage and processing speed at low prices.

### Laptop Computers

- a) Laptops are designed for Portability. They can easily be carried in a carry bag.
- b) Laptop computers have a single cord to connect with, rather than the multiple cords associated with desktop computers.
- c) Laptops are expensive to repair and upgrade.
- d) Laptops can work without electricity for long hours with inbuilt rechargeable battery pack.

- 2 Recommend the type of computer or the computing device that will be ideal to carry out the following jobs.

- a) Kanika needs a device to use banking app to perform her daily banking transactions and to make telephone calls. Smartphone
- b) Kunal needs a virtual assistance at his home that should play music for him, set alarms and give him current news about the world around. Alexa
- c) Akash is a sales manager in a company and needs a computer that he can carry while travelling. Laptop
- d) Rupali wants to purchase a hand held computer to watch movies. \_\_\_\_\_
- e) Govt. of India needs a high power computer for its new nuclear plant. Super Computer
- f) Payal's father is working with bank and is now transferred from New Delhi to Mumbai. Suggest him the device he should instal in his car to navigate the roads in Mumbai. GPS Receiver

