



CLASS NOTES-ANSWERS

Assess Yourself

5) Think and answer.

a) What is Magnetic Ink Character Reader?

Answer: Magnetic Ink Character Reader is an input device that reads special characters that are printed using a special magnetic ink on cheques like Cheque number, bank code and branch code. MICRs scan this information and are thus capable of sorting cheques.

b) What is Barcode Reader?

Answer: Barcode reader is an electronic device, used for reading printed barcodes. Barcode readers consist of a light source, lens and light sensor that help them scan these codes.

c) Define fourth generation computers.

Answer: Fourth Generation computers used components like the microprocessor (micro = very small). A microprocessor is an integrated chip on which the entire CPU (Control Unit and ALU) is fabricated.

d) What do you mean by handheld computer? Write the name of any two handheld computers.

Answer: A handheld computer is a type of computer that can easily be stored in our pocket and used by holding it in our hands. Most of handheld computers have a touchscreen in which we input data by using our fingers. Smartphone and Smartwatch are two examples of



handheld computers.

e) Define the following:

i) Projector

Answer: A projector projects or displays data of computer screen on a large screen or surface for audience.

ii) ATM

Answer: Automated Teller Machine (ATM) is another example of the embedded computer that allows us to withdraw money from our bank account from anywhere and anytime.

iii) Microwave

Answer: The microwave that we use at our home is an example of embedded computer that allows us to warm and cook food.

iv) Laptop

Answer: A laptop is a portable computer which you can keep on your lap. You can carry a laptop anywhere.

6) Differentiate between the following:

Answer:

Supercomputer	Minicomputer
i. A supercomputer consists of a large number of processors and also occupies a huge amount of space.	i. Minicomputers are more powerful than microcomputers. They are bigger in size and faster in processing speed.
ii. They are used in the fields of	



<p>creating animated graphics and conducting nuclear research.</p> <p>iii. Example: PARAM 9000</p>	<p>ii. They can support several users working at the same time on the same machine which means they support a multi-user environment.</p> <p>iii. Example: HCL Magnum</p>
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7) Competency-based/Application-based questions:

- a) Devansh recently visited a supermarket and purchased a few items. When he went over to the billing counter, he noticed that the person there was using a device to scan the items he had purchased. When the person scanned the item, its price was automatically displayed on the screen. Which device was he using?

Answer: Barcode Reader

- b) Shweta was given a project to be made in Word 2021. After completing the project, she had to take its printout and submit it to her teacher. Her teacher asked her to get the best quality printout. Which printer should Shweta use for this purpose?

Answer: Laser Printer

8) Classify the following devices as input (I) and output (O).

- | | | | | | |
|-------------------|---|----------|--------------|---|----------|
| a) Keyboard | - | I | d) Projector | - | O |
| b) Barcode reader | - | I | e) OCR | - | I |
| c) Inkjet printer | - | O | f) Monitor | - | O |



{Coding Zone}

You must have seen Sudoku puzzles in newspapers before. Read the following rules of Sudoku that apply to 2 x 2 boxes and use shapes instead of numbers.

- Every square must contain a single shape.
- Only the following shapes have to be used Circle, Triangle, Square and Star.
- Each 2 x 2 box can only contain each of the above 4 shapes.
- Each vertical column can only contain each of the above four shapes once.
- Each horizontal row can only contain each of the above four shapes once.

One has been done for you:



b.

Answer:

○	□	☆	△
☆	△	○	□
□	○	△	☆
△	☆	□	○

c.

Answer:

○	△	□	☆
□	☆	△	○
☆	□	○	△
△	○	☆	□