Worksheet-2   Subject: - Computer   Class: - VII   Teacher: - Mrs. Suudha Sharma
Name: _____ Class & Sec: _____ Roll No. _____ Date: 18.04.2020

Lesson 1: More Peripherals

As explained earlier, a peripheral device is any device attached to a computer in order to enhance its capabilities. Printers, scanners, microphone, speakers and digital cameras are some of the common peripherals devices. Let us discuss some more extensively used devices that have an important role to play in our lives.

1. **Biometric Devices:** These devices provide automated methods for recognizing distinctive features or actions of an individual like iris recognition, reorganization of hand geometry, finger recognition, facial reorganization, voice reorganization etc.

"Biometric refers to the identity verification of living persons based on their physical characteristics like the characteristics of their fingers, hands, feet, face, eyes, ears etc."

2. **Optical Mark Reader (OMR):** OMR detects the presence or absence of a mark in a specific position. An Optical Mark Reader throws a light beam onto the document on which marks have been made, and analyses the reflected light to decide the mark position. A mark position is decided asless light is reflected from a marked cell than the unmarked cell.

3. **Magnetic Ink Character Reader (MICR):** MICR machine reads the special characters printed in a standard font using an ink containing iron oxide. In a cheque, the cheque number, the branch code, the account number etc are printed using the MICR font and when passes through a MICR reading machine, the correct details of the transactions are interpreted and updated by the computer.

4. **Magnetic Stripe Card/Reader:** To read data from a smart card, the card is swiped through a magnetic card unit, which converts the information into computer readable characters for further processing. ATM cards; Credit cards like VISA, MASTER-CARD etc are some of these types of cards.

Now, answer the following questions:

Q.1. Fill in the blanks

1. On _____ Stripe cards, the data is permanently stored on a magnetic stripe.
2. _____ refers to the identity verification of living persons using their physical characteristics.
3.An _____ detects the presence or absence of a mark in a specific position.
4. _____ cards are intelligent cards which have inbuilt electronics and memory storage.

Q.2. Match the following

1. Peripheral Devices	Refers to the method of verifying the identity of living people using their physical characteristics
2. Biometric Devices	Devices attached to the computer in order to enhance its capabilities
3. Magnetic Stripe Card	Reads the special characters printed in a standard font using an ink containing iron oxide
4. MICR	Detects the presence or absence of a mark in a specific position
5. OMR	Data is permanently stored on stripe

Q.3. Answer the following questions

1. Printers, scanners, microphones etc falls under which type of devices?
2. Which devices provide automated methods for recognizing distinctive features or actions of an individual?
3. Write about MICR.
4. Where are biometric devices used?

Q.4. Solve the given crossword

1			4					5	
3									
					2			

Across

1. Iris recognition, reorganization of hand geometry are the features of _____.
2. _____ throws a light beam onto the document on which marks have been made.
3. _____ is an example of a peripheral device.

Down

4. _____ Stripe card/reader is used to read data from a smart card.
5. The full form of MICR isMagnetic Ink _____ Reader.

Homework

Draw or Paste a Biometric Device and a Magnetic Card (1 each)

Class VII
Answers
Lesson 1: More Peripherals

Q.1. Fill in the blanks
1. Magnetic
2. Biometrics
3. OMR
4. Smart

Q.2. Match the following
1. Devices attached to the computer in order to enhance its capabilities
2. Refers to the method of verifying the identity of living people using their physical characteristics
3. Data is permanently stored on stripe
4. Reads the special characters printed in a standard font using an ink containing iron oxide
5. Detects the presence or absence of a mark in a specific position

Q.3. Answer the following questions
1. Peripheral Devices
2. Biometric Devices provide automated methods for recognizing distinctive features or actions of an individual
3. MICR machine reads the special characters printed in a standard font using an ink containing iron oxide. In a cheque, the cheque number, the branch code, the account number etc. are printed using the MICR font and when passes through a MICR reading machine, the correct details of the transactions are interpreted and updated by the computer.
4. Aside from it being in many of the smartphones we use today, biometrics are used in many different fields. As an example, biometrics are used in:
 a) Law enforcement- In systems for criminal IDs such as fingerprint or palm print authentication systems.
 b) Border control- In systems for electronic passports which stores fingerprint data, or in facial recognition systems.
 c) Healthcare- In systems such as national identity cards for ID and health insurance programs which may use fingerprints for identification.

Q.4. Solve the given crossword

B	I	O	M	E	T	R	I	C	S
			A					H	
			G					A	
P	R	I	N	T	E	R		R	
			E					A	
			T					C	
			I					T	

			C					E	
						O	M	R	