

GSA

Section - A.

Q3

a) Proteins

Proteins are essential for a human body.

Proteins supply the body with some energy, help our body to grow, build muscle, tissue building, boost the immunity of a body also do the healing process of a body.

Sources

The proteins can be taken from

- Sea food
- Milk
- yogurt
- Cheese
- beef meat
- egg

b) carbohydrates:

The carbohydrates are important to supply the energy in a human body.

They are required for the proper working of brain. They are essential for proper working of the vital organs of the body.

for example: human heart.

Sources:

The carbohydrates can be taken from the following sources

- wheat
- barley

Date: _____

Day: _____

9/20/21

• Sweet fruits

• pulses

• oats

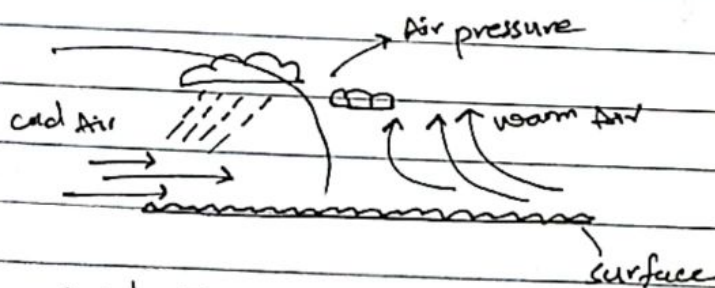
• Milk

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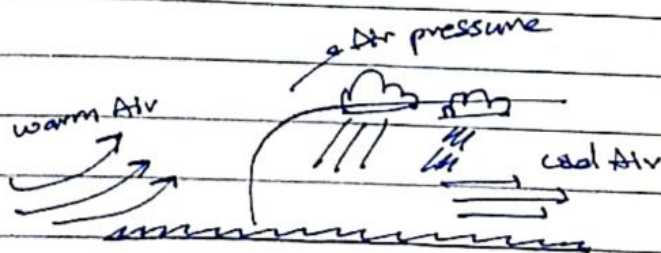
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3.b) Atmospheric pressure/temperature:

The air which is present in the Atmosphere has a pressure, weight. That pressure is called atmospheric pressure. It is the force exerted on a surface by the air above it as gravity pulls it to the earth. Atmospheric pressure is measured by an instrument i.e. barometer. Its pressure changes with the change of seasons i.e. winter, Spring, Summer and autumn. However, the pressure spectral change is winters and summers.



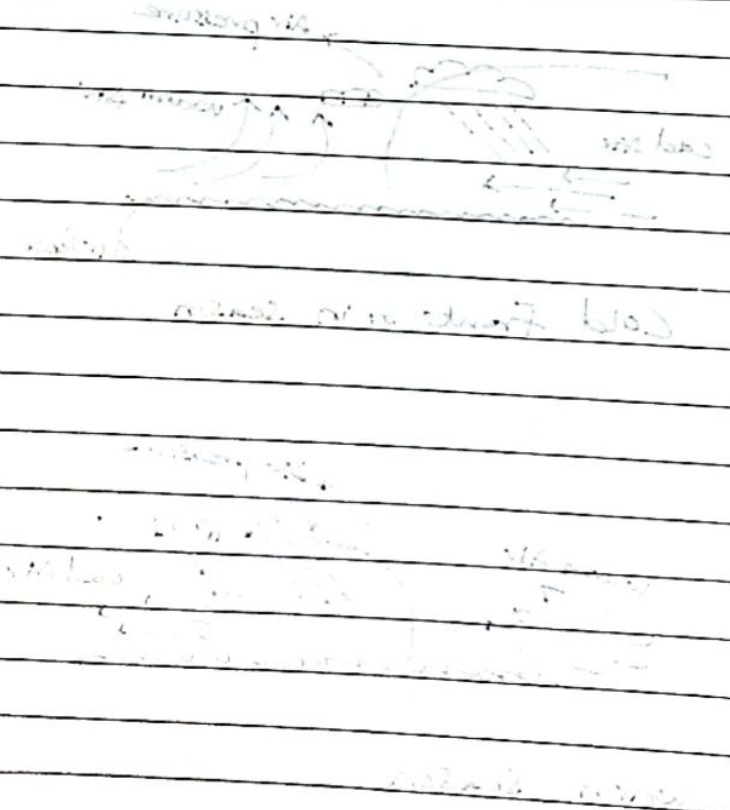
Cold front or in season



Warm season

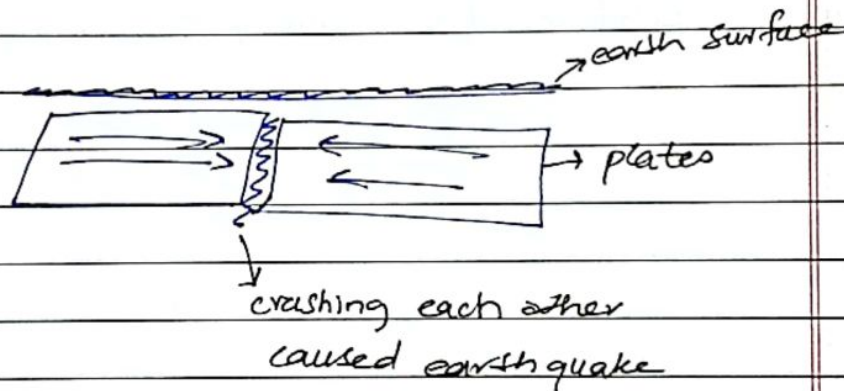
Humidity:-

Humidity is the amount of water vapor in the air. If there is a lot of water vapor in the air, the humidity will be high. The higher the humidity, the wetter it ^{feels} outside. During the summers, the humidity will be high and winters it get low. However, the geographical location also determine the ratio of humidity. like in sea side cities humidity is high while in northern side or in winter cities or areas the humidity is low.



Earthquakes:

Earthquakes caused the surface of the earth is made up of tectonic plates that lies below the land and oceans of our planet. The crash of these plates, in land and ocean creates an earthquake.



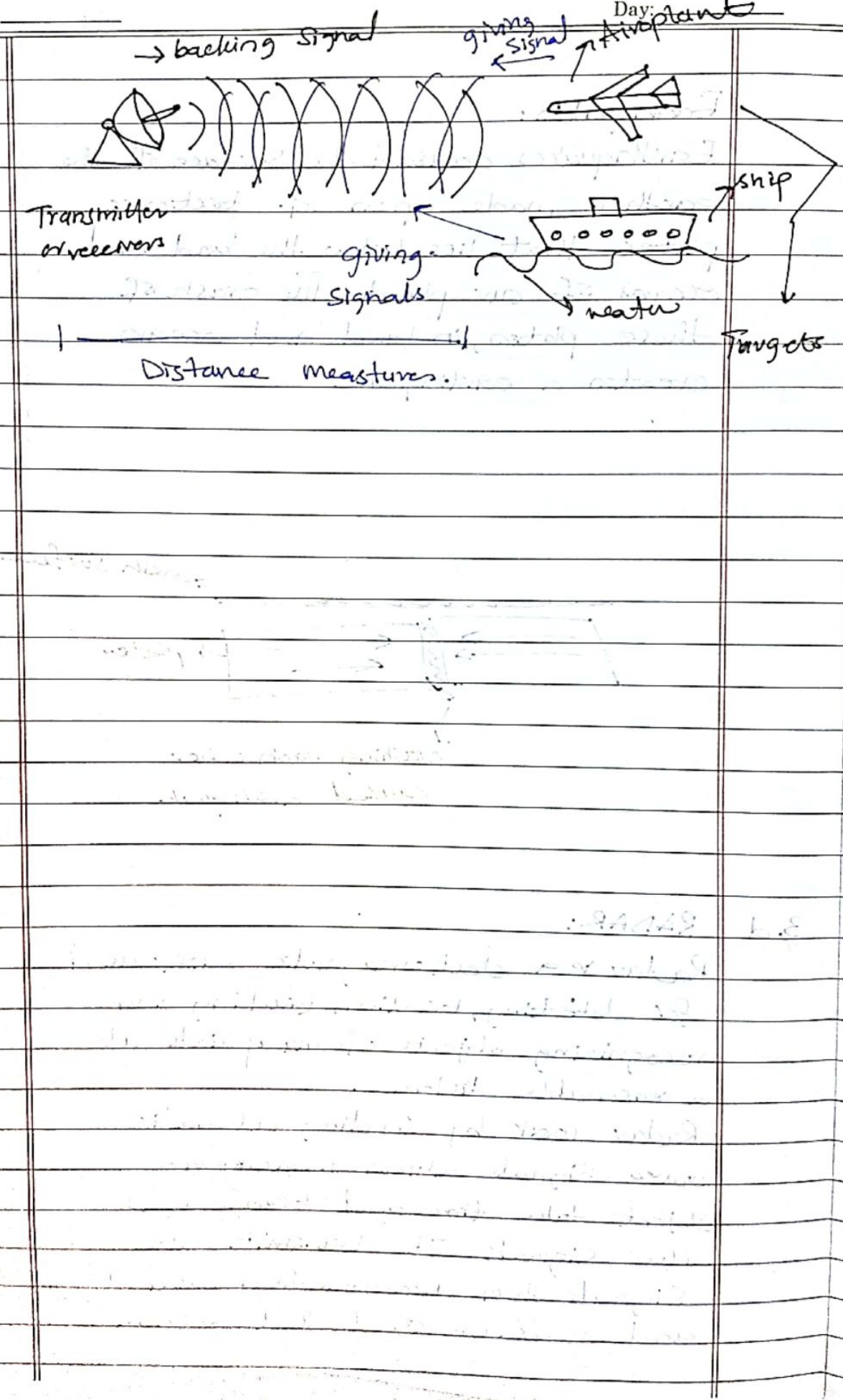
3d RADAR:

Radar is an electromagnetic sensor used for detecting, location, tracking and recognizing objects of many kinds at a reasonable distance.

Radar work by sending out radio waves signals which measures the object take time and bounce back the signals. It transmits the signals then receives them calculate and measurement of that location.

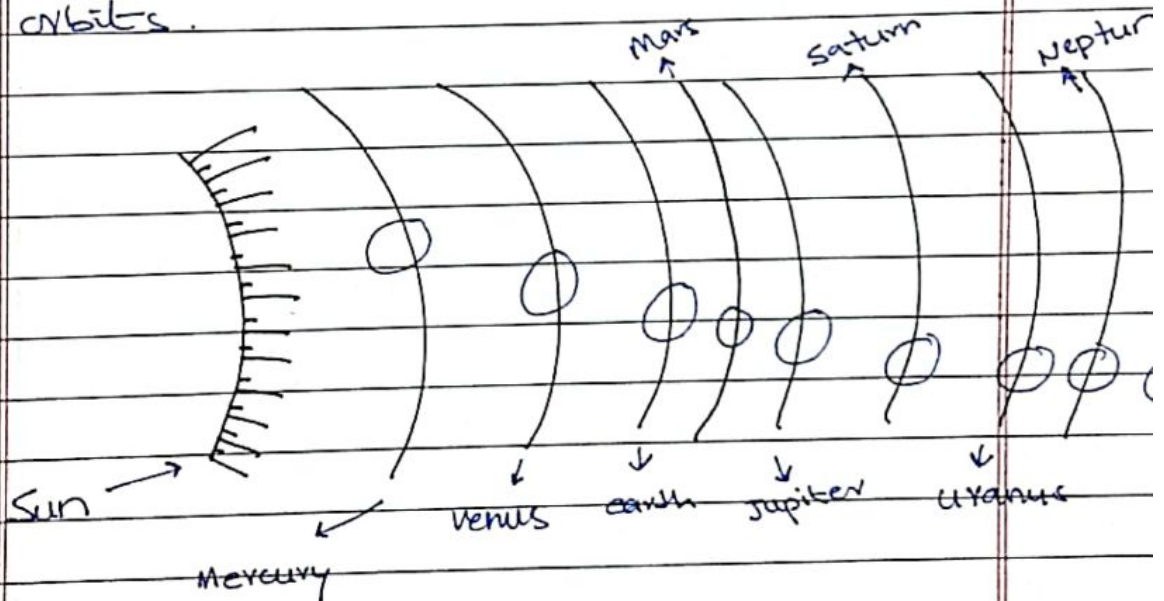
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Q4.a Solar System

The Solar System is one of over 500 known Solar System in the entire Milky Way galaxy. The age of Solar System is 4.5 billion years ago. The Solar System consist of Sun and moon as major planets and the eight planets, i.e. Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune. All the planets are revolve around the Sun with their respective orbits.



4.6 Pituitary Gland:

The pituitary gland is also known as master gland. As it controls or monitors and regulates many bodily functions through the hormones that it produces, including, Growth development and functions, glands (thyroid gland, adrenal glands and gonads), organs like kidneys, uterus and breasts.

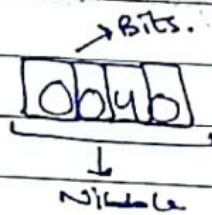
4.7 RAM & ROM

RAM, Random access memory is one of a type of memory in a computer. The RAM is volatile in system, means it loses data when power is cut off. RAM can do the Reading and writing in a computer. RAM is faster in the computer. In terms of size it is larger than ROM. It also saves the current information and it can be accessed directly.

ROM, Read only memory, is a second type of memory in computer. It keeps the data even if computer gets turned off. The other function is only Read not writing; It is slower than RAM; It is smaller than RAM; stores instructions for the computer; it cannot be directly accessed by the computer.

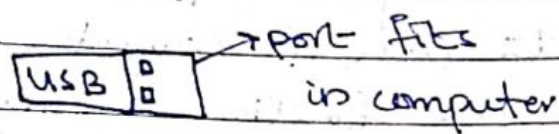
Nibble:

In Computer language the nibble is the smallest unit of information for data transmission and storage. A nibble refers to four binary digits. It plays an important role in encoding and processing data within a computer system.



USB:

USB, universal serial bus, is a device used to connect with a computer for data transmission. In PC the USB fits in the USB port then, it commands the computer for various functions, data transfers i.e. songs, pictures etc. The USB in terms of keyboard is different from the USB device carrier.



Mother Board:

In a Computer mother board is the main board which helps the computer to connect all the internal and external components like USB, mouse or keyboard. The internal components are hard drive and other chips. Without a mother board the computer is a dead machine.

Q4.d COP-29

COP-29 latest conference on climate change action held in Baku.

The countries agree to limiting the global temperature rise to 1.5°C, helping vulnerable communities adapt to the effects of climate change, and to further achieving net-zero emissions by 2050. The new climate plan is not to go beyond the 1.5°C limit in terms of greenhouse gases in all sectors. If it goes beyond 1.5°C, it creates a problem for all countries, especially developing countries.

The ice is melting, and it is also reported that countries and cities like Maldives and Venice in France are to get drowned or get sixed in coming years i.e. why the threshold is 1.5°C.