

Day: \_\_\_\_\_

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## Part II

### Q no 2

(b)

**Smog:-**

Smog reduce visibility and directly linked to Air pollution. It contain harmful particules in air which ~~cause~~ are not good for human health like Oxides of nitrogen sulphur etc.

1<sup>st</sup> time word use 1905 by Henry Anlone.

Links to Air quality Index (AQI)

**Types of Smog**

(i) Sulphur Smog

also called London smog. Sulphur oxides and certain particules make it

**colour:-** Sulphur Smog is in Greyish colour.

**Reasons:-** Due to burning of coal, or fossils fuels

## London smog incident:-

happen in 190.  
Approximately 12000 death

## (ii) Photochemical Smog

also called Los Angeles Smog. There are so many reactions involved like Nitrogen oxides and hydrocarbons.

**Colour:-** Brownish in colour.

**Reasons:-** Directly related to Automobiles.

(d)

## Short Sightedness

In short sightedness the person is not able to see the distant object.

## Far Sightedness

In far sightedness the person is able to see the near object.

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Myopia:- is a disease related to short and far sightedness. The person is unable to see near and distant object. There are many symptoms related to this like eye itching.

## Q no 3

(a)

## Carbohydrates

are key source of energy related to glucose. It gain 3.9 calories of energy when carbohydrates broke down they produce glucose.

### Function:-

- (i) Help in digestion food.
- (ii) provide energy to body
- (iii) Rich in fiber help in Constipation
- (iv) Carbohydrates regulate Nerve tissue.

## Proteins

Proteins are large complex molecules. Proteins play critical role in body. Proteins provide cell & cell structure. Proteins are composed of amino acid. Excessive use of protein leads to heart disease.

## Digestion of Carbohydrates and proteins

Salivary and lingual glands digest carbohydrates. Enzymes in stomach digest protein. Pancreas digest both carbohydrates and proteins.

(b)

## Atmospheric Pressure

Atmospheric pressure is the air pressure in the atmosphere at the air when gravity is high in atmosphere it touches everything on earth.

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## Temperature & Humidity

The relation of temperature and Humidity is when temperature increase then air Humidity is less means dry air.

If the temperature decrease the Humidity is high means moist air.

## Q no 4

### Importance<sup>(b)</sup> of pituitary gland.

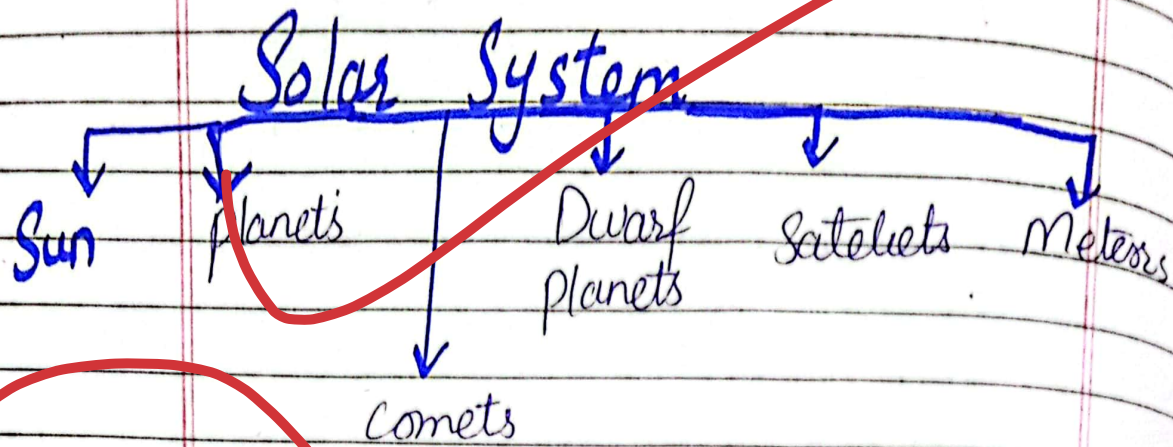
Pituitary gland find in brain. Its pituitary gland is in "pea size". It is also called "master gland" because it monitor and regulate many body function through hormones. It produce including growth, sexual reproduction growth.

### Two parts

anterior  
(meaning  
front)

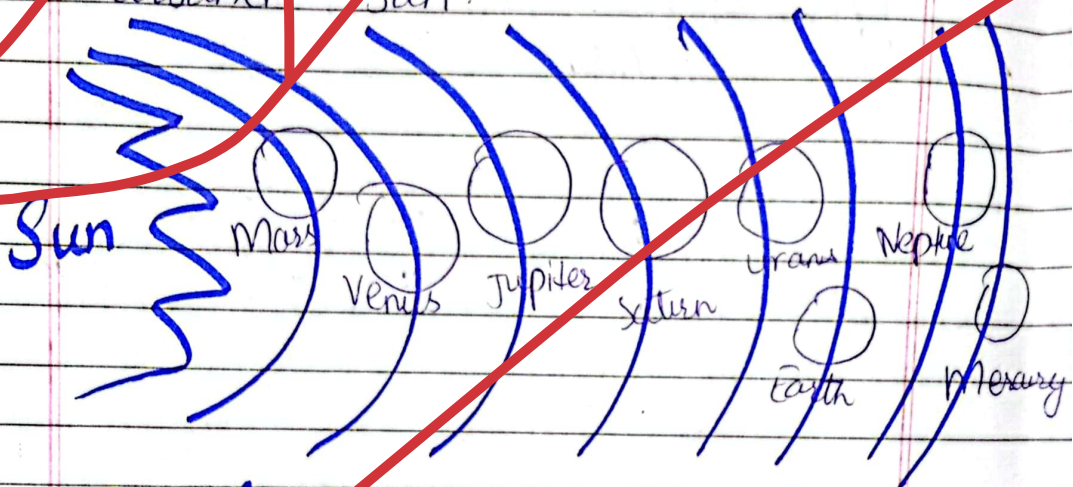
posterior  
(meaning  
back)

(a)



planets:-

There are 8 planets in Earth. They all are orbiting around Sun.



Dwarf Planets:-

Pluto, Eris, Ceres,  
→ celestial body

Satellites:-

Satellites is an object that revolves around a planet in circular motion.

## Qno 5

(a)

Sea Surface temperature Rise of Tropical cyclones  
Sea surface temperature is rise due to Global warming and climate change. Climate change is the hottest issue nowadays. Sea level rise due to constantly change in temperature.

Due to rise in sea temperature it forms tropical cyclones. Tropical cyclones formed sea level on land.

Study show that by 2025 half the area of thattha in Sindh will be in sea due to rise in sea temperature.

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(d)

## Food Preservatives:-

Food preservation is a method in which food preserve in different ways.

## Old Way of food preservation

Old method of food preservation is. In old method food preserved through Salt, oil and drying.

for example :- In pickle oil add to preserve for a long time.

## New way of food preservation:-

Now, Chemical methods is used in food preservation. as Sugar used in jellies jams to preserve for a long time.

Nowadays refrigeration is used in food preservation.



Day:                      Improve content

Part III  
Q no 7: Make headings in the answers

(i) A told B that C is his father's nephew → (i)

(ii) A's cousin but no brother of C → (ii)

⇒ Relations b/w D and C is

Some 4 father's → (iii)

(iv) 8, 10, 15, 100, 150, 294, 448

(v) 12, 10, 37, 101, 82

(iii) 11, 17, 39, 85, 139

(iv) 13, 24, 46, 90, 178, 277

(v) 4,           , 144, 900, 1764

Follow step by step method