PERIODIC TEST -2

SCIENCE

1. Choose the correct option. 1X4=4M
2. b) 21
3. c) 0
4. b) biotic
5. a) dysentery
6. Name the following. 1x3=3M
7. vermicomposting
8. potable water
9. distillation

Answer the following questions.

1. a) substances which make water unfit for drinking are called impurities.

b) soluble – salt, sugar, insoluble – stones,sand,mud

1. List any 4 benefits of biogas. 2M

ans \* Provides a non-polluting and renewable source of energy.

* It is an efficient way of energy conversion
* It leads improvement in the environment, sanitation and hygiene
* It is a cheap source of fuel
* Household waste and bio waste can be disposed usefully in a healthy manner. ( any 4)

1. Name the following layers of atmosphere. 2M
2. Exosphere
3. Mesosphere
4. Troposphere
5. Stratosphere

6. a) Human activities like deforestation, burning of fossil fuels and wood 1M

b) Methane 1M

7. To draw ink into fountain pens.

To draw medicine into a dropper or syringes.

Cycle, car and bus tyres are filled with air for smooth driving.

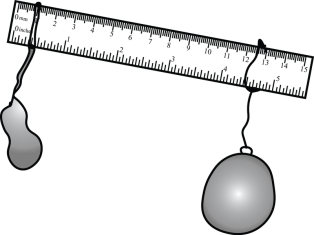
To draw water to the earths surface using handpumps.

Air pressure can also be used to make fountains.

To suck juice through straw.

To make hot air ballons.

To rotate windmills for grinding grains.(any4) 2M



8. Take 2 deflated balloons of the same size. Fill one ballon with air.weigh both of them .balloon filled with air is heavier than the empty balloon. This shows that air has weight. 2M

9. a) the agents or substances that cause pollution are known as pollutants. 1M

b)

|  |  |
| --- | --- |
| Biodegradable | Non- biodegradable |
| Pollutants that can be broken down into simpler compounds by the action of microbes are known as biodegradable pollutants.  Ex : wood, paper, agricultural waste, kitchen waste etc. ( 1M) | Pollutants that cannot be broken down into simpler compounds by the action of microbes are known as non-biodegradable pollutants.  Ex : pesticides, DDT, plastics, aluminium foil, glass. (1M) |

10. a) A gradual increase in the overall temperature of the earth. 1M

b) Drought, irregular rainfall and floods occurring frequently worldwide.

Plants and animals die as a sudden disturbance in their habitat makes it difficult for them to cope up.

Extreme climatic change has been observed worldwide.(any 2) 2M

11. a) 3M

b) The separation of insoluble impurities with the help of filter paper or filtering medium is known as filtration. 1M

c) Reverse osmosis 1M