**Chavara Public School, Walwadi , Dhule**

 **Grade- VIII C.B.S.E**

 **Term -II 2017-18**

 **Subject- Science**

 **Date:- 21/03/18**  **Marks:- 80**

QI) Fill in the blanks:- M-5

1. A charged body \_\_\_\_\_\_\_\_\_\_ and uncharged body.
2. Atmospheric pressure \_\_\_\_\_\_\_\_\_\_\_ with altitude.
3. An earthquake of intensity \_\_\_\_\_\_\_\_\_\_ on the Richter scale is categorized as dangerous.
4. The point vertically above the seismic focus is called \_\_\_\_\_\_\_\_\_\_\_.
5. Impression of an image persists for \_\_\_\_\_\_\_\_\_\_\_ of the second on retina.
6. The planet which appears reddish in colour is \_\_\_\_\_\_\_\_\_\_.
7. The planet which is the farthest from the Sun is \_\_\_\_\_\_\_\_\_\_.
8. Asteroids are found between the orbits of \_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_.
9. \_\_\_\_\_\_\_\_\_\_ are celestial bodies that revolve around the sun like a ball of fire with a long tail.
10. \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

B) True or false:- M-5

 1) Nuclear fission reaction takes place in the sun.

 2) Neptune is the largest planet of solar system.

 3) Arrangements of stars un Ursa major constellation resembles a hunter.

 4) Plane mirror forms real image.

 5) Diffused reflection shows failure of laws of reflection.

 6) Convex lens is present in the eye.

 7) We are safe to sit inside a covered vehicle during lighting.

 8) Mountaineers often encounter nose bleeding at higher altitude.

 9) A force can change the state of motion of an object.

 10) Pressure is inversely proportional to area.

QII) A) Match and rewrite the pairs. M-2

1. Pole star a) Small celestial bodies which could become a planet
2. Planets b) Appears to be stationary in the sky
3. Asteroids c) Visible as streaks of light in earth’s atmosphere
4. Meteors d) Revolve around the sun

B) Answer in one sentence:- M-5

 1) What is a shooting star?

 2) Define a light year.

 3) How does retina send sensation to brain?

 4) A glass rod is rubbed with silk cloth. Which of the two gets charged?

 5) Give two examples of frictional force.

QIII) A) Draw the following. ( Any1) M-3

1. Diagram to locate Positionary pole star?
2. Diagram to locate position of sirius.

B) Answer in brief:- ( Any2) M-6

 1) What are artificial satellite ? Explain their usage.

 2) What precautions should be taken by people living in seismic areas so that

 destruction due to earthquake can be minimized?

1. What are the effects that force can produce? Give one example of each effect.

**Chemistry**

QI) A) Fill in the blanks:- M-5

1. Phosphorus is a very \_\_\_\_\_\_\_\_\_\_ non –metal.
2. Iron is \_\_\_\_\_\_\_\_\_\_\_ reactive than copper.
3. Metals react with acids to produce \_\_\_\_\_\_\_\_\_\_\_ gas.
4. Fuel must be heated to its \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ before it starts burning.
5. The process of depositing a layer of any desired metal on another material by means of electricity is called \_\_\_\_\_\_\_\_\_\_.
6. Iron is coated with \_\_\_\_\_\_\_\_\_\_\_\_\_\_ to protect it from corrosion.
7. Most liquids that conduct electricity are solutions of \_\_\_\_\_\_\_\_\_\_ , \_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_.
8. Water fit for drinking is known as \_\_\_\_\_\_\_\_\_\_\_ water.
9. \_\_\_\_\_\_\_\_\_\_ is made up of smoke and fog.
10. \_\_\_\_\_\_\_\_\_\_ are the substances which contaminate air and water.

B) True or false:- M-5

 1) Suspended particulate matter reduces visibility.

 2) Global warming can cause floods due to melting of glaciers.

 3) Eutrophication is decreased level of oxygen in the water body.

 4) Electroplanting causes rusting.

 5) All liquids are poor conductors of electricity.

 6) A goldsmith uses the middle part of the candle flame for melting gold and

 silver.

 7) Water is not used to control fire b electric short circuit.

 8) Both oxygen and nitrogen in air are essential for combustion.

 9) Oxides of metals are acidic in nature.

 10) Some of the non-metals are ductile and malleable.

QII) A) Match the column. M-2

1. Irom a) Thermometers
2. Aluminium b) Electric wire
3. Carbon c) Wrapping food
4. Copper d) Machinery

 e) Fuel

B) Answer in one sentence:- M-6

 1) Define calorific value of a fuel.

 2) Write two gaseous fuels.

 3) What are electrodes?

 4) Give two examples of good conductors of electricity.

 5) How is ozone layer useful to us?

 6) Name any two greenhouse gases.

QIII) A) Draw the following:- ( Any1) M-3

1. Different zones of candle flame.
2. A simple circuit showing electroplating ( Name electrolyte and electrodes)

B) Answer in brief:- ( Any2) M-6

 1) At an individual level, how can you help reduce air pollution?

 2) Give advantages of electroplating. Write any two examples of electroplating.

 3) Describe the different types of fuels available give examples.

**Biology**

QI) A) Fill in the blanks:- M-5

1. Cholera is caused by \_\_\_\_\_\_\_\_\_\_\_\_.
2. The bacterial disease \_\_\_\_\_\_\_\_\_\_ infects both humans as well as cattle.
3. A group of similar cells performing a specific function is known as \_\_\_\_\_\_\_\_\_\_.
4. Organisms made of more than one cell are called \_\_\_\_\_\_\_\_\_\_\_\_.
5. Amoeba keeps on changing its \_\_\_\_\_\_\_\_\_\_\_\_.
6. \_\_\_\_\_\_\_\_\_\_\_ are produced in the testis.
7. In hydra the type of asexual reproduction is called \_\_\_\_\_\_\_\_\_\_\_.
8. Salivary glands release their secretions through \_\_\_\_\_\_\_\_\_\_.
9. \_\_\_\_\_\_\_\_ gland is called master gland.
10. Maturation of reproductive organ takes place during \_\_\_\_\_\_\_\_\_.

B) True or false:- M-5

 1) Viruses can reproduce only inside the cell of the host organism.

 2) Malaria is caused by a protozoan.

 3) Paramecium is a Prokaryotic organism.

 4) Bacterial cells do not have a cell wall.

 5) Each sperm is a single cell.

 6) Amoeba reproduces by budding.

 7) An embryo is made up of a single cell.

 8) Puberty begins when an adolescent reaches reproductive maturity.

 9) External fertilization takes place in frog.

 10) Egg laid after fertilization is made up of single cell.

QII) A) Match the column. M-2

1. Bacteria a) Inheritance
2. Gene b) Cellulose
3. Plastid c) Eukaryotic cell
4. Cell wall d) Prokaryotic cell

 e) Chlorophyll

B) Answer in one sentence:- M-6

 1) Which part of the cell contains organelles?

 2) What is metamorphosis?

 3) What is meant by ovulation?

 4) What are sex harmones?

 5) What are pseudopodia?

 6) Give example of unicellular organism.

QIII) A) Draw the following:- ( Any1) M-3

1. Binary fission in Amoeba
2. Animal cell

B) Answer in brief ( Any2) M-6

 1) Write short notes on- i) cytoplasm ii) nucleus of cell

 2) Name the various endocrine glands, hormone secreted by them and give

 function of any of these hormone.

 3) Write not on the usefulness of micro- organisms in our lives.

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