

Unsolved Sample Paper

Class VIII

Subject: Science

Max Marks: 80

Time: 3 Hours

GENERAL INSTRUCTIONS:

- Read the instructions carefully
- All the questions are compulsory.
- Question number 1 to 5 carries 1 mark each.
- Question number 6 is carries 2 marks each.
- Question number 7 carries 5 marks each.

1.) State whether the following statements are True or False: -

Marks: 5.0

- A. Fossils are the dead remains of living organism.
- B. The innermost zone contains unburnt carbon particles, which gives it a black colour.
- C. *Plasmodium* is a bacteria living in symbiotic relationship with the root nodules of the leguminous plants.
- D. Paddy and maize are common examples of rabi crops.
- E. North Pole of a magnet attracts North Pole of another magnet.

2.) Fill in the blanks with appropriate answers: -

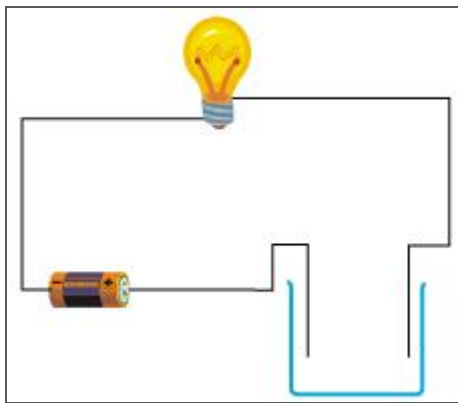
Marks: 5.0

- A. The outermost layer of an animal cell is
- B.is used in traffic signals, on railway platforms as an indicator in different color.
- C.catches fire spontaneously in presence of air at room temperature.
- D. The method of growing two or more crops in a field at the same time in a definite pattern is called as
- E. Fuel efficiency is expressed in units of

3.) Multiple Choice Questions (There can be more than one answer right):

Marks: 5.0

- A. is also called as black gold.
- Petroleum
 - Coal
 - Coal Tar
 - Natural gas
- B. Nucleus controls all life processes because of the presence of the
- Chromosomes
 - Mitochondria
 - Chloroplast
 - Cell membrane
- C. You perform an experiment to determine the electrical conductivity of various liquids and construct the electrical circuit shown in the given figure.



According to the given circuit, the bulb will glow when

- Honey water is poured in the beaker
 - Saline water is poured in the beaker
 - Milk is poured in the beaker
 - Distilled water is poured in the beaker
- D. Read the following statements
- Under high pressure and high temperature, dead plants got slowly converted to coal.
 - Coke is used in the manufacture of steel and in the extraction of many metals.
- Both are correct
 - None of them are correct
 - Only I is correct
 - Only II is correct

- E. All of the following produce flame on burning except for
- Molten wax
 - Patrol
 - Charcoal
 - Kerosene

4.) Match the items given in two columns: -

Marks: 20

A

Column A	Column B
Voice box	Hertz
Unit of frequency	Decibel
Dolphins	Unwanted sound
Unit of loudness	Ultrasonic sounds
Noise	Larynx

B

Column A	Column B
Ovaries	Testosterone
Testes	Thyroxine
Pancreas	Adrenalin
Thyroid	Estrogen
Adrenal	Insulin

C

Column A	Column B
Species on the verge of extinction	Endemic species
A book carrying information about endangered species	Extinct
Species which have vanished	Red data book
Varieties of plants, animals and microbes found in an area.	Biodiversity
Species found only in a particular habitat	Endangered species

D.

Column A	Column B
To stretch the bow	Gravitational force
The force exerted by a charged body	Magnetic force
Liquid pressure	Muscular force
Iron bar attracting towards magnet	Electrostatic force
Objects or things fall towards the earth	Drag

5.) Very Short Answer Questions:

Marks: 5.0

- A. What are the advantages of sowing seeds with a seed drill?
- B. Define Menarche
- C. What is meant by marble cancer?
- D. What is the term used for secretion of endocrine glands responsible for changes taking place in the body?
- E. Name the plastic used for non stick coating of the cookware

6.) Short Answer Questions:

Marks: 20.0

- A. State any 2 practices which can be adopted by the adolescents to maintain personal hygiene.
- B. Which hormone lowers the blood glucose level in humans? Name the gland which secretes this hormone.
- C. Why do farmers carry out leveling of ploughed fields?
- D. How does deforestation contribute to global warming?
- E. Give one word answer
 - a. Black gold
 - b. Slow process of conversion of dead vegetation into coal.
 - c. Process of separating the various constituents/ fraction of petroleum.
 - d. Part of the cell that contains organelles.
- F. Why plastics are considered material of choice?
- G. Enumerate the differences between prokaryotes and eukaryotes
- H. In an experiment 5.6 kg of a fuel was completely burnt. The heat produced was measured to be 240,000 KJ. Calculate the calorific value of the fuel.
- I. Give reasons:
 - a. Water is not used in extinguishing fire involving electrical equipments.

b. Luminous zone of a flame gives black soot.

J. Give one difference between:

- a. Viviparous and Oviparous
- b. External and Internal fertilization

7.) Long Answer Questions:-

Marks: 20.0

A. What do you understand by water pollution? Discuss the measures taken to control water pollution.

B. Answer the following

- a. What are antibiotics? Give example of two commonly known antibiotics.
- b. What are antibodies? How are they important for us?
- c. Give example of two vaccine preventable diseases in children

C. i. Give reasons for the following:

- a. Iron cannot replace zinc from its salt solution.
- b. Sodium is stored in kerosene
- c. Coal cannot be drawn into wires

ii. Write the chemical equation to show the reaction between Magnesium oxide and water. Is the product formed acidic or basic?

D. Answer the following:

- a. Define force.
- b. What are the changes observed when force is applied on an object.
- c. Give example of two contact forces and two non contact forces