

## 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. There is decrease in rainfall because of deforestation.
- B. Nylon is a very familiar form of polyester used for making bottles, utensils, films, wires and many other useful products.
- C. Materials which possess characters of both metals and non-metals are called as metalloids.
- D. At the end of the optic nerve and retina where no vision is possible is called the blind spot.
- E. The units of inheritance present in the chromosomes are called as cytoplasm.

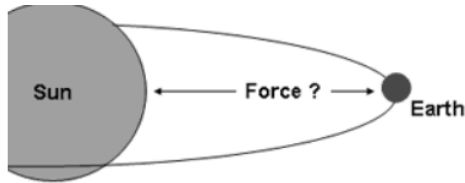
**2.) Fill in the blanks with appropriate answers: -**

**Marks: 5.0**

- A. The process by which yeast produce alcohol from the sugars is called as .....
- B. The main components of the female reproductive system that releases the female gamete is the .....
- C. .... is a popular polyester that can be drawn into very fine fibres that can be woven like any other yarn.
- D. .... is formed when magnesium ribbon is burnt in the presence of oxygen.
- E. The bacterial cell is an example of a ..... cell.

**3.) Multiple Choice Questions (There can be more than one answer right): Marks: 5.0**

A. What kind of force is there between the two celestial objects shown in the below picture?



- a. Electrical
  - b. Magnetic
  - c. Nuclear
  - d. Gravitational
- B. Which one of the following is an edible fungus?
- a. Penicillium
  - b. Agaricus
  - c. Yeast
  - d. Bread Mould
- C. The foetus development in humans takes place on ..... wall.
- a. Uterus
  - b. Seminal vesicle
  - c. Epididymis
  - d. Endometrial
- D. The first fully synthetic fibre prepared from coal, water and air is
- a. Cotton
  - b. Nylon
  - c. Acrylic
  - d. Rayon
- E. The statement that holds true for eukaryotes is?
- a. The cells have nuclear material without nuclear membrane.
  - b. The cells have nucleus with nuclear membrane.
  - c. There are no cell organelles present
  - d. They have no cytoplasm

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

Marks: 20

A

Column A	Column B
Bacterial cell	Transmission of signals
Muscle cell	Unicellular
Amoeba	Photosynthesis
Nerve cell	Prokaryotic cell
Chloroplasts	Facilitate movement

B

Column A	Column B
<i>Lactobacillus</i>	Antibiotic
Penicillium	Malaria
Yeast	Anthrax
<i>Plasmodium</i>	Alcohol production
<i>Bacillus anthracis</i>	Turns milk to curd

C

Column A	Column B
External fertilization	Cow
Ovum	Male gamete
Internal fertilization	Starfish
Frog	Female gamete
Sperm	Metamorphosis

D.

Column A	Column B
Electroscope	Attract each other
Richter scale	Repel each other
Unlike charges	Earthquake
Sudden shaking of earth	Used to detect charges
Like charges	Measures intensity of earthquake
Outer most layer of the earth	Crust

### 5.) Very Short Answer Questions:

Marks: 5.0

- A. Why it is not advisable to store lemon pickle in aluminium containers?
- B. Why are endocrine glands termed as “ductless glands”?
- C. What is the time period taken to complete one oscillation called?
- D. Define the ignition temperature.
- E. Why are weeds removed from the crop fields?

### 6.) Short Answer Questions:

Marks: 20.0

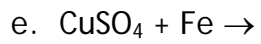
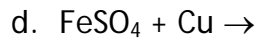
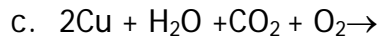
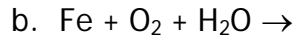
- A. Why are treaded tyres used in cars and trucks?
- B. Fill in the blanks

Human disease	Causative agent	Mode of transmission
a. Hepatitis B	.....	.....
b. Malaria	.....	.....
C. How does the following reproduce?		
a. Amoeba		
b. Hydra		
D. What changes in the voice of boy takes place when they reach puberty? What is the cause of this change?		
E. Why we always hear the thunder a little after we see the flash of lightning?		
F. Why do we see the phases of moon?		
G. Why is the force of friction greater on an irregular surface?		
H. Give one use of Bitumen and Paraffin wax		
I. Mention the precautions that should be taken during earthquakes.		
J. How soil gets affected by repeated growing of crops in the same field?		

### 7.) Long Answer Questions: -

Marks: 20.0

- A. a. With schematic figure explain the sex determination in human being.
- b. What is the role of hormones in completing the life history of frogs?
- B. Complete the reactions and write in words
- a.  $\text{CuSO}_4 + \text{Zn} \rightarrow$



C. a. Can sound travel through vacuum? Elaborate.

b. What can be done to reduce noise pollution?

D. a. Draw a well-labelled diagram of the human eye

b. What are optical and non-optical aids? Give some examples