



PANCHSHEEL PUBLIC SCHOOL

10+2 Senior Secondary School (Affiliated & Recognized by CBSE)
Jaitpur, Badarpur, New Delhi-44

Annual Examination Sample Paper-2022-23

Time: _____ Subject: Science Class: VIII M. Marks: 50
Name: _____ Roll No: _____ Section: _____ Date: _____

Q1. Choose the correct option. (1x5=5)

- Gold normally occurs in nature
(a) In free state (b) As carbonate ore (c) As sulphate ore (d) As sulphide ore.
- Myopia is corrected by using spectacles with
(a) Convex lenses (b) Concave lenses (c) Glass Slabs (d) Prism.
- The image formed by a plane mirror is formed
(a) On the surface of the mirror
(b) Just in front of the mirror
(c) Just behind the mirror
(d) As much behind the mirror as the object is in front of the mirror.
- Which of the following is not a conductor of electricity?
(a) Tap water (b) Salt water (c) Petrol (d) lime juice
- Friction can be increased by
(a) Making the surfaces smooth (b) lubricating the surfaces (c) Using ball bearings
(d) making the surfaces rough

Q2. Fill in the blanks. (1x 4=4)

- In a soda-acid type fire extinguisher, _____ reacts with sulphuric acid to give out carbon dioxide.
- A normal eye cannot clearly see objects closer than _____ cm.
- A positively- charged body has a _____ of electrons.
- The fusion product of sperm and ovum is known as _____.

Q3. Correct the wrong statement. (1x4=4)

- Friction is less in rough surface.
- Hydra reproduce by Binary fission.
- Animal cell has a cell wall.
- Rolling friction is greater than sliding friction.

Q4. Define the following terms. (Do any 3) (1x3=3)

- Calorific value
- Electroplating
- Reflection of light
- Friction

Q5. Differentiate between the following. (2x3=6)

- Regular reflection and Diffused reflection
- Internal fertilization and External Fertilization

Q6. Give reason for the following. (1x3=3)

- Why is zinc electroplated on iron?
- Why do plant cells need a cell wall, and animals cell do not?

3. Why is it easier to burn dry leaves but not green leaves?

Q7. Very short answer questions. (1×3=3)

1. What do you mean by reactivity series of metals?
2. Give an example to show the effect of heat generated in a machine due to excessive friction.
3. Why does refraction occur?

Q8. Short answer questions. (2×3=6)

1. Calculate the number of images formed by plane mirrors kept at an angle of 10 degree to each other.
2. What is effect of friction on motion?
3. What is meant by the term cell division? Why is cell division necessary?

Q9. Long answer questions. (Do any 3) (3×3=9)

1. Discuss how a zygote develops into an individual in humans.
2. State three uses of a plane mirror.
3. Name the different zone of a candle flame. Give details of the conditions in each zone.
4. List four uses of electroplating, giving the reason for electroplating in each case.

Q10. HOTS Questions. (2×2=4)

1. Can a glass slab bend different colored lights by different amounts?
2. Frogs and fishes lay hundreds of eggs at a time. However, their population is very little as compared to the number of eggs they lay. Why?

Q11. Draw the diagram of Human eye. (1×3=3)