

# QUARTERLY EXAMINATION - 2023

**CLASS: VIII**

**SCIENCE**

Reg.No

**MAX MARKS : 100**

**Time : 2.30 Hours**

**I) Choose the correct Answer :-**

**10 X 1 = 10**

- Which one the following systems of unit is the british system of unit?  
a) CGS      b) MKS      c) FPS      d) SI
- Unit of Pressure is  
a) Pascal      b)  $\text{NM}^{-2}$       c) Poise      d) Both a and b
- Which of the following has curved reflecting surface?  
a) Plane Mirror      b) Spherical mirrors      c) Simple mirrors      d)None of the above
- If you apply equal amount of heat to a solid, liquid and gas individually which of the following will have more expansion?  
a) Solid      b) Liquid      c) Gas      d) All of them
- The liquid metal used in thermometers is.....  
a) Copper      b) Mercury      c) Silver      d) Gold
- The pigment responsible for browning of apples is .....  
a) hydrated iron II oxide      b) Melanin      c) Stracl      d) ozone
- which of the following is known as azote?  
a) oxygen      b) Nitrogen      c) Sulpher      d) carbon dioxide
- Common cold in human is caused by .....  
a) Plasmodium      b) Influenza      c) Vibrio cholera      d) aphthovirus
- Binomial Nomenclature was first intro duced in the year  
a) 1970      b) 1975      c) 1978      d) 1623
- The process of air passing in and out the lungs is called  
a) inhalation      b) exhalation      c) breathing      d) None of the above

**II) Fill in the blanks:-**

**10X1 = 10**

- ..... is used to measure electric current.
- A Simple barometer was first constructed by .....
- The mirror used by the ophthalmologist to examine the eye is .....
- A thermostat is a device which maintains .....
- The symbol of tungsten is .....
- Iron objects undergo rusting when exposed to ..... and .....
- ..... is called as vital life.
- The word 'Taxonomy' is derived from .....
- xylem and phloem are absent in ..... plants.
- ..... is the structural and functional unit of living organisms.

**III) Match the following.**

**10 X 1 =10**

- |                      |   |                               |
|----------------------|---|-------------------------------|
| 21. Kinetic friction | - | Respiration of living animals |
| 22. Rolling friction | - | Fertilizer                    |
| 23. Sliding friction | - | Refrigerator                  |
| 24. Nitrogen         | - | Fire extinguisher             |
| 25. oxygen           | - | Vaccine                       |
| 26. Carbon dioxide   | - | Objects are in motion         |
| 27. Dryice           | - | objects are sliding           |
| 28. Tuberculosis     | - | Least friction                |
| 29. Probiotics       | - | Bacteria                      |
| 30. Edward Jenner    | - | Lactobacillus acidophilus     |

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**IV) State True or False. If false, correct the statement**

10 X 1 = 10

31. If one coulomb of charge is flowing one word-minute it is called 'ampere'
32. Liquid pressure decreases with the decrease of depth
33. In a thermos flask, the silvered walls reflect and radiate the heat outside.
34. CFC is a pollutant.
35. The non-metal which conducts electric current is aluminium.
36. Light energy may come out due to chemical reaction.
37. citrus canker is transmitted by insects.
38. Binomial name should contain more than two words.
39. Human beings are warm blooded in nature.
40. Aqueous humour plays an important role in maintaining the shape of the eye.

**V) Answer any 15 questions.**

15 X 2 = 30

41. Name the three scales of temperature
42. Define - Mole
43. Complete the analogy.
  - i) knot in a thread : ..... friction : Ball bearing : ..... friction.
  - ii) Downward force : weight : Upward force offered by liquid : .....
44. Which has greater viscosity oil or honey? why?
45. Give any two applications of a concave and convex mirror.
46. State snell's law of refraction
47. Name three types of heat transfer
48. Write the constituent elements and their symbols for the following compounds
  - a) Carbon monoxide
  - b) Washing soda
49. Name the metals that are used in jewellery
50. Define a chemical reaction
51. what is the role of a catalyst in a chemical reaction?
52. List out the uses of nitrogen.
53. What is global warming?
54. what is dry ice? what are its uses?
55. what are pathogens?
56. Write any two characters of pteridophytes
57. Define - Prokaryotic cell
58. Tabulate the differences between aerobic and anaerobic respiration.
59. Write the differences between algae and fungi
60. write the names of any three protozoans

**VI) Answer any 6 questions.**

6 X 5 = 30

61. List out the base quantities with their units.
62. Describe an experiment to prove that the pressure in a liquid increases with depth.
63. What is reflection? write a short note on regular and irregular reflection.
64. Mention any four compounds and their uses
65. Explain how food items are spoiled by chemical reaction?
66. what are the effects of acid rain ? How can we prevent them?
67. write a short note on bacteria and its structure
68. Write the names of medicinal plants and explain their uses.
69. Draw the outline of Bentham and Hooker's System of Classification.
70. Differentiate between inhalation and exhalation.

