

8 - STD	QUARTERLY EXAMINATION - 2025	
TIME :2.30 Hrs	SCIENCE	MARKS : 100

10 x 1 = 10

I. Choose the correct answer

- S.I. Unit of temperature is
a) Celsius (b) fahrenheit (c) Kelvin (d) ampere.
- Which of the following liquids has more viscosity?
a) Grease (b) water (c) Coconut oil (d) Ghee.
- The spherical mirror used as a rear view mirror in the vehicle is
a) Concave mirror (b) Convex mirror (c) Plane mirror (d) None of the above.
- Heat is a form of
a) electrical energy (b) gravitational energy
c) thermal energy (d) None of the above.
- The liquid metal used in thermometers is
a) Copper (b) mercury (c) Silver (d) gold.
- _____ undergoes rusting
a) Tin (b) Sodium (c) Copper (d) Iron.
- Which of the following is known as azote?
a) Oxygen (b) Nitrogen (c) Sulphur (d) Carbon dioxide.
- Common Cold in human is caused by
a) Plasmodium (b) influenza (c) Vibrio cholera (d) aphthovirus.
- Binominal Nomenclature was first introduced in the year _____
a) 1970 (b) 1975 (c) 1978 (d) 1623
- _____ Cells are specialised cells that can be transformed into any kind of cells.
a) Nerve (b) Stem (c) Heart (d) Bone.

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 _____.
- _____ is the only matter on the Earth that can be found naturally in all three States.
- _____ is used as Semiconductor.
- The Sides of the match box Contain _____.
- _____ is called as vital life.
- The infecting virus particle found outside the host cell is _____.
- The first true land plant is _____.
- The largest cell is egg of an _____.

III. State True or False .If false, Correct the Statement

5 x 1 = 5

- Quartz clocks are used in GPS Devices.
- Liquid pressure decreases with the decrease of depth.
- A chemical reaction is a temporary reaction
- Chicken pox is a communicable disease.
- All bryophytes are hydrophytes.

IV. Match the following**6 x 1 = 6**

- | | | |
|--|---|-----------------------|
| 26. Barometer | - | reduce friction. |
| 27. Increase area of contact | - | atmospheric pressure. |
| 28. Decrease area of contact | - | Cause of friction. |
| 29. Lubricants | - | increase friction. |
| 30. Irregular Surface | - | Viscosity. |
| 31. Friction between the liquid layers | - | decrease friction. |

V. Give reason**3 x 3 = 9**

32. Heavy bags provided with broad straps.
 33. Aluminium foils are used to wrap food items.
 34. Human eye is compared with camera.

VI. Answer any 15 of the following questions.**15 x 2 = 30**

35. Define - ampere.
 36. What are the differences between Plane angle and Solid angle?
 37. Name two instruments which help to measure the pressure of a fluid.
 38. How does Surface tension help a plant?
 39. State the laws of reflection.
 40. Define focal length.
 41. Name three types of heat transfer.
 42. Write a note on Convection.
 43. Define Alchemy.
 44. What does a chemical symbol represent?
 45. What is pollution?
 46. Is rusting good for Iron materials ? Explain.
 47. What is global warming?
 48. What is dry ice? what are its uses?
 49. What are antibiotics?
 50. Which diseases can be prevented by Vaccination?
 51. What is meant by binomial nomenclature?. Give example.
 52. Define - Thallus.
 53. State different types of tissues.
 54. Mention the function of Alveoli.

VII. Answer any Six of the following questions in detail.**6 x 5 = 30**

55. Write a short note on different types of clocks.
 56. Friction is a necessary evil - Explain.
 57. Explain the working of a Periscope.
 58. Tabulate the differences between metals and non-metals.
 59. Discuss how acid rain occurs due to emission of smoke from vehicles and industries?
 60. How does Carbon dioxide react with the following?
 a) Potassium (b) Lime water (c) Sodium hydroxide
 61. How can we improve the beneficial bacterial count in human beings?
 62. Write the names of medicinal Plants and explain their uses.
 63. Differentiate between inhalation and exhalation.