

**Class : 8**Register  
Number

0 0 8 1 1 3

**COMMON ANNUAL EXAMINATION - 2024 - 25****SCIENCE**

Time Allowed : 2.30 Hours]

[Max. Marks :100

**PART - I**

15x1= 15

- I. Choose the correct answer.
- Electric current is a ----- Quantity.  
a) Base                      b) Supplementary                      c) Derived                      d) Professional
  - unit of pressure is -----  
a) Pascal                      b)  $\text{Nm}^2$                       c) Poise                      d) Both a and b
  - 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 these
  - The Amplitude of the sound wave decides its  
a) Speed                      b) Pitch                      c) Loudness                      d) Frequency
  - Which of the following is a celestial body?  
a) Sun                      b) Moon                      c) Stars                      d) All the above
  - Brine is a concentrated solution of -----  
a) Sodium sulphate                      b) Sodium chloride                      c) Calcium chloride                      d) Sodium bromide
  - Which of the following is known as azote?  
a) Oxygen                      b) Nitrogen                      c) Sulphur                      d) Carbon di oxide
  - Which of the following is a water Pollutant?  
a) Lead                      b) Alum                      c) Oxygen                      d) Chlorine
  - is a prokaryotic micro organisms.  
a) Virus                      b) Algae                      c) Fungai                      d) Bacteria
  - is tough and thick white Sheath that Projects the inner parts of the eye.  
a) Sclera                      b) Conjunctiva                      c) Cornea                      d) Iris
  - External ear is supported by  
a) Bone                      b) Cartilage                      c) Tendon                      d) Capsule
  - Which of the following is not present in Panchagavya?  
a) Cow dung                      b) Cow's Urine                      c) Curd                      d) Sugar
  - Deforestation means -----  
a) Cleaning of Forest                      b) To grow plants                      c) To look after plants                      d) None of these
  - The ----- function returns the Smallest value in a set of Values.  
a) Average                      b) Sum                      c) Min                      d) Max

5x1=5

**II. Fill in the blanks:**

- is used to measure electric current.
- Magnets are used in ----- for generating electricity.
- is known as marsh gas.
- Agar agar is obtained from ----- algae.
- The Size of the Cells are measured in Units of -----

**III. Match the following.**

5X1=5

- |                   |   |                         |   |
|-------------------|---|-------------------------|---|
| 21. Barometer     | - | Solid to gas            | 5 |
| 22. Snell's Law   | - | Fertilizer              | 3 |
| 23. Edward Jenner | - | Atmospheric pressure    | 4 |
| 24. Nitrogen      | - | $\sin i / \sin r = \mu$ | 2 |
| 25. Sublimation   | - | Vaccine                 | 1 |

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

5x1=5

26. Rolling friction is slightly greater than the sliding friction.
27. Water can conduct Electricity.
28. Cell wall of fungi is made up of Chitin.
29. Cardiac muscle is a voluntary muscle.
30. Chicken pox is a communicable disease.

**V. Draw and label the parts. (any 2)**

2x5=10

31. (i) Draw the Structure of yeast
- (ii) Draw the Structure of chlamydomonas.
- (iii) Draw the Structure of Human Eye
- (iv) Draw the structure of bacteria

**PART - II****VI. Answer any 15 of the following questions:**

15x2=30

32. Define Ampere.
33. Name the three Scales of Temperature.
34. Complete the Analogy.
  - a) Knot in a thread : ----- friction : Ball bearing : ----- friction
  - b) Downward force : Weight : upward force offered by liquid : -----
35. Define Focal Length.
36. Name three types of Heat Transfer.
37. What is Electric Circuit.
38. What is an Ultrasonic Sound?
39. Define Galaxy.
40. Write the symbols for the following elements.
  - a) Oxygen                      b) Gold                      c) Cadmium                      d) Iron                      e) Calcium
41. Give two Examples for Metalloids.
42. What is Dry ice? What are its uses? [any Two]
43. What is Pollution?
44. What are Antibiotics?
45. Write any two characteristics of Dicotyledons.
46. Define - Metabolism.
47. What is Cranium?
48. What is Ligament?
49. What is Green Manure?
50. Name the Methods of sowing?
51. What is Global Warming?

**PART - III****VII. Answer any Six in detail.**

6x5=30

52. List out the base Quantities with Their Units.
53. a) A Stone weights, 500 N- Calculate the pressure exerted by it, if it makes contact with a surface of area 25 cm<sup>2</sup>?
- b) Define specific heat Capacity?
54. List out the Uses of Magnets?
55. Tabulate the difference between metals and Non - metals.
56. Explain the different types of Coal.
57. How microorganisms are useful in the Field of Medicine?
58. Write any five differences between Monocot and Dicot Plants..
59. Give a Detailed account on Irrigation.

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