Class : 8

Register Number | 3 | 2 | 0 | 9 | |

COMMON QUARTERLY EXAMINATION - 2024-25
SCIENCE

Time Allowed : 2.30 Hours]   [Max. Marks :100

I. Choose the correct answer.   12x1= 12

1. Electric Current is a ---------- quantity.
   a) Base   b) Supplementary   c) Derived   d) Professional

2. SI unit of Temperature is -------------
   a) Celsius   b) Fahrenheit   c) Kelvin   d) Ampere

3. Closeness of two or more measured values is called as -------------
   a) Accuracy   b) Precision   c) Error   d) Approximation

4. Which of the following liquids has more Viscosity?
   a) Grease   b) Water   c) Coconut Oil   d) Ghee

5. Which of the following has curved reflecting surface?
   a) Plane Mirrors   b) Spherical Mirrors   c) Simple Mirror   d) None of the above

6. The Spherical mirror with a reflecting surface curved inward is called ----------
   a) Convex Mirror   b) Concave Mirror   c) Curved Mirror   d) None of the above

7. The liquid metal used in Thermometer is
   a) Copper   b) Mercury   c) Silver   d) Gold

8. A Form of Non - metal which has hight ductility is
   a) Nitrogen   b) Oxygen   c) Chlorine   d) Carbon

9. Burning of Paper is a ---------- change.
   a) Physical   b) Chemical
   c) Physical and Chemical   d) Neutral

10. ---------- undergoes rusting.
    a) Tin   b) Sodium   c) Copper   d) Iron

11. In Haber's process of producing ammonia ------------- is used as a Catalyst.
    a) Nitrogen   b) Hydrogen   c) Iron   d) Nickel

12. Which of the following factor induces Electrolysis?
    a) Heat   b) Light   c) Electricity   d) Catalysis

II. Fill in the blanks.   13X1=13

13. ---------- is called Vital life.
14. ---------- is used as a Fertilizer.
15. Dry Ice is used as a coolant
16. Penicillin is prepared from a mould called Penicillium.
17. ---------- are the infections protein particles.
18. The infecting virus particle found outside the host cell is -------------
19. The word 'Taxonomy' is derived from -------------
20. Binomial Nomenclature was first introduced by 1996 -------
21. Monocotyledon seed bears only ---------- cotyledon.
22. cell ---------- is the structural and functional unit of Living Organisms.

V / 8 / Sci / 1

23. The largest cell is egg of an --------------

24. ---------- is good example for Anaerobic Respiration.

25. The size of the cells are measured in unit of ------------

III. Match the following.　　　　　　　　　　　　　　　　　　　5x1=5

26. Carbohydrates　-　CO_2 water and heat 4

27. Glucose　-　Amino acid 5

28. Protein　-　Glucose 3

29. Amino acid　-　Cholesterol and other steroid 2

30. Fatty acid　-　Enzymes, Hormone, Protein 1

IV. Answer any 15 questions.　　　　　　　　　　　　　　　15x2=30

31. Define : Metabolism.

32. Define : Thallus.

33. What is meant by Binomical Nomenclature?

34. What are the Antibiotics?

35. What are the Pathogens?

36. Mention the Physical properties of Oxygen?

37. What is Global Warming?

38. What is Dry Ice? What are its uses?

39. Define Catalysis.

40. What is Pollution?

41. Name the metals that are used in Jewellery.

42. Name six common Non - metals and Write their Symbols.

43. Define Alchemy.

44. States the Laws of Reflection.

45. Define the Refractive Index of a Medium.

46. Define One Atmosphere.

47. Which has Greater Viscosity, Oil or Honey? Why?

48. What is Measurement?

V. Answer in Detail. (any 8)　　　　　　　　　　　　　　8x5=40

49. List out the base quantities with their Units.

50. Describe an experiment to prove that the pressure in a liquid increase with depth.

51. Explain the Working of a Periscope.

52. What is Dispersion? Explain in detail.

53. Mention the uses of the following Compound.

　　a) Baking Soda　　　　　b) Bleaching Powder　　　c) Quick Lime

54. Explain the Environmental effects of Chemical Reaction?

55. What are the effects of Acid Rain? How can we prevent them?

56. Write the names of Medicinal Plants and Explain their uses.

57. Write any five difference between Monocot and Dicot Plants.

58. Draw the Structure of Human Eye and Label its parts.

V/ 8 / Sci / 2