

HALF YEARLY EXAMINATION - 2022**8 - STD****SCIENCE**

TIME : 2.30

MARKS : 100

I. Choose the correct Answer**10 x 1 = 10**

1. SI Limit of temperature is
(a) Celsices (b) Fahrenheit (e) Kelvin (d) ampere.
2. The Spherical mirror used as a rear mirror in the vehicle is.
(a) Concave mirror (b) Convex mirror (c) plane mirror (d) None of the above
3. The electrification of two different bodies on rubbing is because of the transfer of
(a) neutrons (b) Protons (c) electrons.
4. Find the odd one out
a) Harmonium (b) Flute (c) Nadaswaram (d) violin
5. The non-metal which conducts electric Current is
(a) Carbon (b) oxygen (c) aluminium (d) sulphur
6. which of the following is known as azote?
(a) Oxygen (b) Nitrogen (c) Sulpher (d) Carbon dioxide
7. In water hydrogen and oxygen are Combined in the ratio of ___ by mass.
(a) 1 : 8 (b) 8 : 1 (c) 2 : 3 (d) 1 : 3
8. Shows both living and non living Characteristics.
(a) Protozoa (b) Virus (c) Bacteria (d) Fungi
9. External ear (pinna) is supported by
(a) bone (b) cartilage (c) tendon (a) capsule
10. Adam's apple is the growth of the
(a) Pharynx (b) Thyroid (c) larynx (e) Parathyroid

II. Fill in the blanks**10 x 1 = 10**

11. Hydraulic lift works under the Principle of _____
12. If the temperature of a liquid in a container is decreased then the interatomic distance will _____
13. Sound is Produced by _____
14. _____ is the enzyme responsible for browning of vegetables and fruits.
15. _____ is a negatively charged Particle.
16. Wasp sting contains _____
17. Binomial nomenclature was first introduced by _____
18. The largest cell is egg of an _____
19. _____ muscle makes pupil of eyes wider.
20. Iron deficiency leads to _____

III. State True or False. If false Correct the statement**5 x 1 = 5**

21. The Process of Converting a substance from solid state to gaseous state is called Condensation.
22. Water Can Conduct Electricity
23. Soap lathers well in hard water
24. Aqueous humour plays an important role in maintaining the shape of the eye.
25. Hinge joint is slightly movable joint.

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IV. Match the following

6 x 1 = 6

- | | | |
|-----------------------------------|---|---------------------|
| 1 26. Law of conservation of mass | - | Sir William Crookes |
| 2 27. Law of constant proportion | - | J.J Thomson |
| 3 28. Cathode rays | - | Joseph Proust |
| 4 29. Anode rays | - | James Chadwick |
| 5 30. Neutrons | - | Lavoisier |
| 6 31. Plum pudding model | - | Goldstein |

V. Give reason to the following

3 x 3 = 9

32. one should not use an umbrella while crossing field during thunderstorm.
33. Ice floats on water
34. Human eye.. is compared with camera

VI. Answer briefly

15 x 2 = 30

Answer any 15 of the following Questions. Question No. 37 is Compulsory

35. why are heavy bags provided with broad straps?
36. State the laws of the Reflection?
37. If two plane mirrors are inclined to each other at an angle of 15° find the number of images formed?
38. Name three types of heat transfer?
39. Define one calorie?
40. what is earthing?
41. What are the hazards of noise pollution?
42. Mention the various conditions required. for a chemical reaction to occur?
43. Write about the reaction of nitrogen with non metals?
44. What is global warming?
45. state the law & Conservation of mass?
46. What are the methods of removing hardness of water?
47. state the difference between acids and bases.
48. what is an indicator ?
49. What are antibiotics
50. Write the difference between algal and fungi
51. How does excessive usage of mobile phone affect our eyes?
52. what is Uranium ?
53. How is the skeleton of a bird well-suited for flying?
54. What is adolescence?

VII. Answer in Detail. Answer any six of the following Questions

6 x 5 = 30

55. List out the base quantities with their units
56. Explain Series and Parallel circuit?
57. Describe an experiment to show that Sound Cannot travel through vacuum
58. Name the elements with the following Symbols.
(a) Na (b) Ba (c) W (d) Al (e) U
59. Discuss how acid rain occurs due to emission of Smoke from vehicles and industries?
60. Explain the different ways by which water gets polluted?
61. Write the names of medicinal plants and explain their uses?
62. Draw the structure of human eye and label its Parts?
63. Explain the nutritional needs of adolescence in brief?

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