

R

COMMON SECOND MID - TERM TEST - 2022

Standard - VIII

Reg.No

8	2	1	6		
---	---	---	---	--	--

Time: 2.30 hrs.

SCIENCE

Marks: 100

PART - 1

I. Choose the correct Answer:

15×1=15

1. When an ebonite rod is rubbed with fur, the charge acquired by the fur is
 - a) negative
 - b) Positive
 - c) partly positive and partly negative
 - d) None of these
2. Which of the following a simple circuit must have?
 - a) Energy source, Battery, Load
 - b) Energy source, Wire, Load
 - c) Energy source, Wire, switch
 - d) Battery, Wire, Switch
3. Fuse is
 - a) a switch
 - b) a wire with low resistance
 - c) a wire with high resistance
 - d) a protective device for breaking an electric current
4. Sound waves travel very fast in
 - a) air
 - b) metals
 - c) Vacuum
 - d) liquids
5. Find the odd one out
 - a) Harmonium
 - b) Flute
 - c) Nadaswaram
 - d) violin
6. The range of audible frequency for the human ear is
 - a) 20 Hz to 2000Hz
 - b) 20Hz to 2000Hz
 - c) 20 Hz to 20000 Hz
 - d) 200 Hz to 20000Hz
7. Cathode rays are made up of
 - a) neutral particles
 - b) Positively charged particles
 - c) negatively charged particles
 - d) None of the above
8. The same Proportion of Carbon and oxygen in the carbon dioxide obtained from different source proves the law of ____
 - a) reciprocal proportion
 - b) definite proportion
 - c) multiple proportion
 - d) Conservation of mass
9. In water, hydrogen and oxygen are combined in the ration of ____ by mass
 - a) 1:8
 - b) 8:1
 - c) 2:3
 - d) 1:3
10. Water changes to ice at
 - a) 0°C
 - b) 100°C
 - c) 102°C
 - d) 98°C
11. The gas collected at the cathode on electrolysis of water is
 - a) oxygen
 - b) hydrogen
 - c) nitrogen
 - d) carbondioxide
12. Which of the following is a water Pollutant?
 - a) Lead
 - b) Alum
 - c) Oxygen
 - d) Chlorine
13. Which of the following parts of our body help us in movement?
 - i) Bones
 - ii) Skin
 - iii) Muscles
 - iv) organs

Choose the correct answer from the option below

 - a) (i) and (iii)
 - b) (ii) and (iv)
 - c) (i) and (iv)
 - d) (iii) and (ii)

14. Cockroach moves with the help of its
 a) leg b) bone c) Muscular foot d) whole body
15. External ear (pinna) is supported by
 a) bone b) cartilage c) tendon d) capsule

PART - 2**II. Fill in the blanks:**

5×1=5

16. _____ is a device that protects building from lightning strike Aerobor
17. Sound travels in the form of wave. length
18. atom is the smallest particles of an element
19. The boiling point of water is 100°.
20. A structure which provides rigid frame work to the body is called skeleton

III. Match the following:

5×1=5

- | | |
|--|--|
| 21. 1. Two similar charges | - acquires a positive charge <u>3</u> |
| 2. Two dissimilar charges | - prevents a circuit from overheating <u>4</u> |
| 3. When glass rod is rubbed with silk | - repel each other <u>1</u> |
| 4. When ebonite rod is rubbed with fur | - attract each other <u>2</u> |
| 5. Fuse | - acquires a negative charge. <u>5</u> |
| 22. 1. Universal solvent | - water pollutant <u>4</u> |
| 2. Hard water | - Kills germs <u>3</u> |
| 3. Boiling | - ozonisation <u>2</u> |
| 4. Sterilization | - Water <u>1</u> |
| 5. Sewage | - stomach ailments <u>5</u> |

5×1=5

IV. State true or false . If false correct the statement:

5×1=5

23. Water Can Conduct electricity.
24. In parallel circuit, current remains the same in all Components
25. Sewage should be treated well before being discharged it into water bodies
26. There are 12 pairs of ribs in human body
27. The flexor and extensor muscle of the arm are antagonistic muscles.

PART - 3**IV. Answer any 15 questions:**

15×2=30

28. How charges are produced by friction?
29. What is earthing?
30. What is electric circuit?
31. Give some uses of electroplating

32. What is vibration.
33. Give an example to show that light travels faster than sound.
34. What is an ultrasonic Sound?
35. What are the hazards of noise pollution?
36. A sound wave travels 2000m in 8s, what is the velocity of the sound?
37. State the law of conservation of mass.
38. Write the properties of anode rays.
39. What is a chemical equation?
40. Write the names of the following compounds
a) CO b) N₂O c) NO₂ d) PCl₅
41. Define specific heat capacity.
42. Explain specific latent heat of vaporization of Water.
43. Define Potable water
44. What is cranium?
45. Differentiate axial and appendicular skeleton
46. What is ligament?
47. How is the skeleton of a bird well -suited for flying?

PART - 4**VI. Answer any 7 questions:****7×5=35**

48. What is electroscope? Explain how it works.
49. What is electroplating? Explain how it is done.
50. What steps should be taken to reduce the effect of noise pollution?
51. A wave with a frequency of 500Hz is traveling at a speed of 200ms⁻¹. What is the wave length?
52. Find the valency of the element which is underlined in the following formula
a) NaCl b) CO₂ c) Al(PO₄) d) Ba(NO₃)₂
e) CaCl₂
53. Write the chemical formula for the following compounds
a) Aluminium Sulphate b) Silver nitrate
c) Magnesium oxide d) barium chloride
54. What is Electrolysis? Explain the electrolysis of water?
55. Explain the different ways by which water get polluted.
56. Name the different types of Joints? Give one example for each type?
57. Discuss various types of movements seen in living organisms.
