

TIRUVANNAMALAI DISTRICT

MHS-GIRITHARAN PET

FIRST REVISION TEST-2022

STD : IX

SCIENCE

MARKS : 75

PART-I

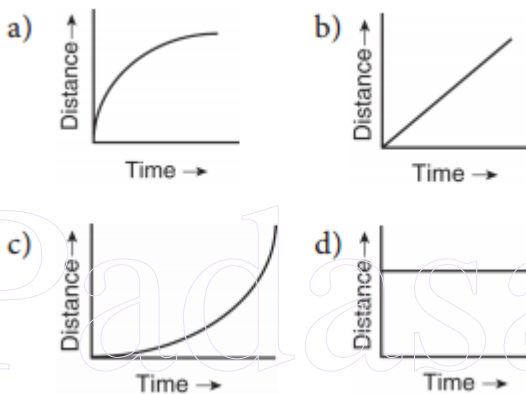
I.CHOOSE THE CORRECT ANSWER.

(12X1=12)

1. Rulers, measuring tapes and metre scales are used to measure

- (a) Mass (b) Weight (c) Time (d) Length

2. Which of the following graph represents uniform motion of a moving particle?



3. Heating effect of current is called

- (a) Joule heating (b) Coulomb heating (c) Voltage heating (d) Ampere heating

4. SI unit of temperature is

- (a) Fahrenheit (b) joule (c) Celsius (d) kelvin

5. The sound waves travel faster

- (a) in liquids (b) in gases (c) in solids (d) in vacuum

6. Among the following is a mixture.

- (a) Common salt (b) Juice (c) Carbon dioxide (d) Pure silver

7. $\text{Zn} + 2\text{HCl} \rightarrow \text{ZnCl}_2 + \dots\dots\dots \uparrow$

- (a)
- H_2
- (b)
- O_2
- (c)
- CO_2
- (d)
- SO_2

8. Number of valence electrons in carbon is

- (a) 2 (b) 4 (c) 3 (d) 5

9. Elements in the modern periodic table are arranged in groups and periods.

- (a) 7, 18 (b) 18, 7 (c) 17, 8 (d) 8, 17

10. Which of the following is transmitted through air?

- (a) Tuberculosis (b) Meningitis (c) Typhoid (d) Cholera

11. The plant body of mushroom is

- (a) Spawn (b) Mycelium (c) Leaf (d) All of these

12. Transpiration takes place through

- (a) fruit (b) seed (c) flower (d) stomata

PART-II

ANSWER ANY SEVEN QUESTIONS (Q.NO.22 IS COMPULSORY)

(7X2=14)

13. What is the full form of SI system?

14. True or False.If false correct the statement.

(a) The motion of a city bus in a heavy traffic road is an example for uniform motion.

(b) Acceleration can get negative value also.

15. State Pascal's law.

16. Match the following.

Column-I	Column-II
1. Electric Charge	(a) ohm
2. Potential difference	(b) ampere
3. Electric field	(c) coulomb
4. Resistance	(d) newton per coulomb
5. Electric current	(e) volt

18. State Ohm's law.

19. Define taxonomy.

20. Write any two uses of bases.

21. Pick out the odd one :

(a) AIDS, Retrovirus, Lymphocytes, BCG

(b) A bacterial disease, Rabies, Cholera, Common cold, and Influenza

22. If, 25 C of charge is determined to pass through a wire of any cross-section in 50 s, what is the measure of current?

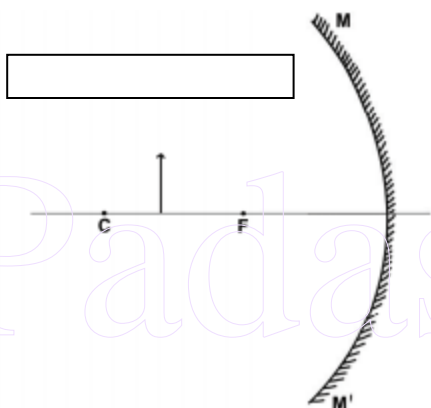
PART-III

ANSWER ANY SEVEN QUESTIONS (Q.NO.32 IS COMPULSORY)

(7X4=28)

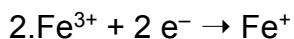
23. Explain a method to find the thickness of a hollow tea cup.

24. What is the nature of the image?



25. Differentiate graphite and diamond.

26(a) Identify the following reactions as oxidation or reduction



(b) Find the oxidation number of the elements in the following compounds,



27. Write any four uses of acids.

28. Name the components in each of the following mixtures.

1. Ice cream

2. Lemonade

3. Air

4. Soil

29. List the medicinal importance, of honey.

30(a) Name the plant part

- 1) Which bends in the direction of gravity but away from the light.
- 2) Which bends towards the light but away from the force of gravity.

(b) Differentiate phototropism from photo nasty.

31. Expand the following:

1. HIV 2.DPT 3.WHO 4.BCG.

32. Convert the following,

1. 25 °C to Kelvin 2.200 K to °C

PART- IV

ANSWER ALL THE QUESTIONS

(3X7=21)

33.(a) Find the size, nature and position of the image formed when an object of size

1 cm is placed at a distance of 15 cm from a concave mirror of focal length 10 cm.

(or)

(b) Name any seven symbols with a diagram.

34.(a) Sulphuric acid is called King of Chemicals. Why is it called so? (or)

(b) Complete the table given below.

Element	Atomic number	Electron distribution	Valence electrons	Lewis dot structure
Boron	5			
Oxygen	8			

35.(a) Suggest the immunization schedule for a new born baby till 12 months of age.

Why it is necessary to follow the schedule? (or)

(b) Differentiate between tropic and nastic movements