## FIRST REVISION TEST - 2024

## Standard - X

Time: 3.00 hrs

SCIENCE

Marks:75

Part - I

Note: 1) Answer all the questions.

12x1=12

2) Choose the most appropriate answer from the given four alternatives and write the option code and the corresponding answer.

1. Newton's III law is applicable a) for a body at a rest b) for a body in motion c) both a & b d) only for bodies with equl masses 2. If a substance is heated or cooled, the change in mass of that substance is a) positive b) negative c) zero d) none of the above 3. Kilowatt hour is the unit of a) resistivity b) conductivity c) Electrical Energy d) electrical power 4. Which of the following is a triatomic Molecule? a) Glucose b) Helium c) Carbon dioxide d) Hydrogen 5. Which of the following is the universal solvent? a) Acetone b) Benzene c) Water 6. Rectified spirit is an aqueous solution of which contains about d) Alcohol of ethanol. a) 95.5% b) 75.5% c) 55.5% d) 45.5% 7. Which is formed during anaerobic respiration? a) Carbohydrates b) Ethyl alcohol c) Acetyl CoA d) Pyruvate 8. Heart of heart is called a) SA node b) AV node c) Purkinje fibres d) Bundle of HIS 9. Which one is referred as "Master Gland"? a) Pineal gland b) Pitvitary gland c) Thyroid gland d) Adrenal gland The Centromere is found at the Centre of the \_\_\_\_\_ chromosome.
a) Telo centric b) Meta centric c) Sub Meta centric d) Aero centric 11. The Miracle rice which saved millions of lives and celebrated its 50th Birthday is a) IR 8 b) IR 24 c) Atomita 2 d) Ponni

12. An inexhavstible resources is

a) Wind Power b) Soil fertility

c) Wild life

d) all the above

Part - II

## Note: Answer any 7 of the following. Q.No. 22 is compulsory

7x2=14

13. Differentiate Mass and Weight.

14. What is refractive index?

15. State Boyle's law?

16. Define atomicity?

17. List out the Parasitic adaptations in Leech?

18. Name the parts of the hind Brain?

19. Write the characterestics of the insect pollinated flowers?

20. Give the name of Wheat variety having higher dietry fibre and Protein?

21. Write a short note on editor and its main parts?

22. Calculate the amount of energy released when a radioactive substance undergoes fusion and results in a mass defect on 2kg?