COMBINE TEST (IX)

1. What is pure in science? Give example.

2. Give reason why mixtures cannot have fixed chemical formula.

3. Differentiate between homogeneous and heterogeneous mixture?

4. What are alloys? Give constituents of brass.

5. What is solution? Name some properties of solution.

6. What is saturated solution? What is suspension?

7. A solution contains 40g.of NaCl in 320g f water; calculate the concentration in terms of mass by mass percentage of the solution.

8. What is colloidal solution? List main properties?

9. What is dispersed phase dispersed medium, emulsion gel.

10. Deduce the formula of position –time relation?

11. A bus starting from rest moves with a uniform acceleration of $0.1m/s^2$ for 2 min. find (a) the speed acquired (b) the distance travelled?

12. A racing car has a uniform acceleration of $4m/s^2$. What distance will it cover in 10s.after start?

13. A stone is thrown in vertically upward direction with a velocity of 5m/s. If the $g=10m/s^2$. What will be the height attained by the stone and how much time will it take to reach there?

14. What is balanced and unbalanced force?

15. How do bicycle move? Answere in terms of balanced and unbalanced force.

16. What is the first law of motion?

17. What is inertia?explain the relation between inertia n mass of an object?

18. Why is it advised to tie any object kept on the roof of a bus with a rope?