

CBSE MIXED TEST PAPER-08

CLASS - 9 SCIENCE

(half yearly examination)

General Instructions:

- (i) Attempt all questions.
- (ii) Tick mark (✓) the correct answer.
- (iii) Section A is of 20 questions of $\frac{1}{2}$ marks each.
- (iv) Section B is has 10 questions of 1 mark each.

Section A

1. Tyndall effect is observed in which one of the following :-

- a. Alcohol + Water
- b. Albumin + Water
- c. NaCl + Water
- d. Alum + Water

2. Sedimentation will take place in which one of the following:

- a. Common Salt + water
- b. Sugar + Water
- c. Soil + water
- d. Starch + water

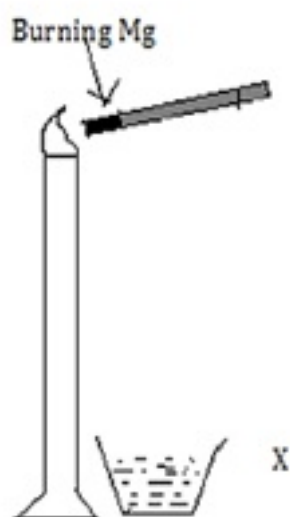
3. Which one is a correct method of separating iron filings from sulphur powder.

- a. Heating in a china dish
- b. Heating in a boiling tube
- c. Moving a magnet through a mixture
- d. Heating with water

4. If you are asked to make a mixture of 2 compounds, which one will you choose.

- 1. Iron filings + Sulphur Powder

2. Water + milk
 3. Air + Sea water
 4. Sugar + Common Salt
5. Which one of the following will result in the formation of a mixture?
- a. Crushing of a marbles tiles into small particles.
 - b. Breaking of ice cubes into small pieces
 - c. Adding Na Metal to water
 - d. Agitating a detergent with water in a washing machine.
6. What is x in the following figure.



- a. Magnesium Chloride
 - b. Magnesium Oxide
 - c. Magnesium hydride
 - d. Magnesium powder
7. Which one of the following will not be visible after some time when kept in open in the lab.
- a. Camphor
 - b. Common Salt
 - c. Copper Sulphate

d. Barium Chloride

8. Temporary mount of a tissue is made in:

- a. Glycerin
- b. Alcohol
- c. Wax
- d. Any of these

9. For observing plant cells, which of the following stains is used.

- a. Methylene blue
- b. Safranin
- c. Acetocarmine
- d. None of these

10. When you were observing an onion peel stained with safranin under a microscope the colour of the wall appeared.

- a. Black
- b. Yellow
- c. Blue-black
- d. Pinkish red

11. Light and dark bands are present in:

- a. Striated muscles
- b. Cardiac muscles
- c. Both
- d. None.

12. Using spring balance we measure

- a. Temperature of body
- b. Mass of body
- c. Weight of body
- d. Energy of body

13. When we start heating a mixture of sulphur powder and iron fillings, we would observe.

- a. sulphur starts melting
- b. mixture becomes red hot
- c. iron fillings start melting
- d. mixture evaporates.

14. The Cellular structure not seen while observing the slide of an onion peel under a microscope is

- a. Chromosomes
- b. Cell wall
- c. Nucleus
- d. Cytoplasm

15. Zinc is present in the laboratory in the form of

- a. fillings
- b. granules
- c. ribbon
- d. powder

16. Magnesium is present in the laboratory in the form of

- a. fillings
- b. granules
- c. ribbon
- d. powder

17. Iron is present in the laboratory in the form of

- a. fillings
- b. granules
- c. ribbon
- d. powder

18. Anal styles are present in

- a. male cockroach
- b. female cockroach
- c. both
- d. none.

19. If a specimen has segmented body it is

- a. Cockroach
- b. Bony fish
- c. Earthworm
- d. Aves

20. Specimens are stored in

- a. alcohol
- b. distilled water
- c. formalin
- d. none of these

Section B

21. Which one is correct for a true solution of common salt in water?

- a. Components can be separated by filtration.
- b. Particles are visible to naked eye
- c. Shows tyndall effect
- d. Transparent and stable.

22. What is the correct designation of x, y and z for size of particles.

- a. x – solution, y – suspension, c – sol
- b. x – sol, y – suspension, z – solution
- c. x – suspension, y – sol, z – solution
- d. x – suspension, y – solution, z – sol

23. The structure found in plant cell but absent in animal cell

- a. Cell wall

- b. Cell membrane
- c. Nucleus
- d. Cytoplasm

24. Thickening at the corner of plant cells is a character of =

- a. Parenchyma
- b. Collenchyma
- c. Sclerenchyma
- d. None of these

25. Two slides of plant tissues – parenchyma and sclerenchyma are shown to you. You can identify sclerenchyma by

- a. Position of nucleus
- b. Thickness of cell wall
- c. Size of cells
- d. Location of nucleus.

26. Earthworm belongs to the phylum.

- a. Annelida
- b. Arthropoda
- c. Mollusca
- d. Aves

27. Excess fluid on a slide is

- a. Wiped off using a blotting paper
- b. is allowed, to evaporate slowly by keeping the slide in sunlight
- c. Keep the specimen moist
- d. drain off by tilting the slide

28. Which is not the unit of temperature?

- a. 0C
- b. J
- c. 0F

d. K

29. Colour of sulphur powder is

- a. brown
- b. white
- c. green
- d. yellow

30. A liquid is kept in an open china dish. The evaporation of the liquid can be accelerated by

- a. by keeping the dish in the open
- b. by blowing air into the liquid.
- c. by keeping the dish under running fan
- d. All are correct