

TEACHER ELIGIBILITY TEST
(Practice Paper 03)

21. Balanced diet should have
- (a) Protein $\frac{2}{5}$, fat $\frac{3}{5}$, carbohydrate $\frac{1}{5}$
 - (b) Protein $\frac{3}{5}$, fat $\frac{1}{5}$, carbohydrate $\frac{2}{5}$
 - (c) Protein $\frac{1}{5}$, fat $\frac{1}{5}$, carbohydrate $\frac{3}{5}$
 - (d) Protein $\frac{1}{2}$, fat $\frac{3}{4}$, carbohydrate $\frac{1}{4}$
22. Which of the following statements about a balanced chemical equation is not true?
- (a) Mass is conserved only
 - (b) Atoms are conserved only
 - (c) Molecules are conserved only
 - (d) All of these
23. Atomic theory was given by
- (a) John Dalton
 - (b) Neils Bohr
 - (c) E. Rutherford
 - (d) J.J Thomson
24. If we open a bottle of perfume, its smell spreads in the entire room within a short time due to the process of
- (a) Evaporation
 - (b) Sublimation
 - (c) Diffusion
 - (d) Solution
25. Which out of the following is a heterogeneous mixture?
- (a) Milk
 - (b) Soil
 - (c) Smoke
 - (d) All of these
26. Carbon dioxide is a compound because:
- (a) It exists as solid liquid and gas.
 - (b) It contains hydrogen and oxygen.
 - (c) It contains two different elements joined by chemical bonds.
 - (d) It can be split up into simpler substance by chemical means
27. Which of the following is neither an element nor a compound?
- (a) Saline water

- (b) Carbon dioxide
(c) Mercury
(d) Sodium chloride
28. Atomicity of Aluminium is
(a) 1
(b) 2
(c) 3
(d) 4
29. The chemical formula of a compound containing 2 atom of hydrogen and 1 atom of sulphur is
(a) H_2SO_4
(b) SO_2
(c) H_2S
(d) H_2O
30. When magnesium is burnt in air. It produces magnesium oxide. The correct chemical reaction is:
(a) $Mg + O_2 \rightarrow MgO$
(b) $2Mg + O_2 \rightarrow 2MgO$
(c) $2Mg + 2O \rightarrow 2MgO$
(d) $Mg_2 + O_2 \rightarrow 2MgO$

ANSWERS

- | | |
|---------|---------|
| 21. (c) | 26. (c) |
| 22. (d) | 27. (a) |
| 23. (a) | 28. (a) |
| 24. (c) | 29. (c) |
| 25. (d) | 30. (b) |

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