

1. The unit of electric charge is—

- a) Volt
- b) Ampere
- c) Coulomb
- d) Ohm

Answer: c) Coulomb

2. If a body is moving with constant velocity, then its acceleration is—

- a) Zero
- b) Constant
- c) Increasing
- d) Decreasing

Answer: a) Zero

3. The speed of light in vacuum is approximately—

- a) 3×10^6 m/s
- b) 3×10^8 m/s
- c) 3×10^5 m/s
- d) 3×10^4 m/s

Answer: b) 3×10^8 m/s

4. The atomic number of oxygen is—

- a) 6
- b) 8
- c) 10
- d) 12

Answer: b) 8

5. pH of a neutral solution at 25°C is—

- a) 0
- b) 7
- c) 14
- d) 1

Answer: b) 7

6. The chemical formula of washing soda is—

- a) NaCl
- b) NaHCO_3
- c) $\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$
- d) CaCO_3

Answer: c) $\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$

7. If $f(x) = x^2$ then $f'(x)$ is—

- a) 2
- b) x
- c) 2x
- d) x^2

Answer: c) 2x

8. The value of $\sin 90^\circ$ is—

- a) 0
- b) 1
- c) -1
- d) $\sqrt{3}$

Answer: b) 1

9. The solution of the equation $3x - 9 = 0$ is—

- a) 1
- b) 2
- c) 3
- d) 4

Answer: c) 3

10. If $A = 1$, $B = 2$, $C = 3$, then $Z = ?$

- a) 24
- b) 25
- c) 26
- d) 27

Answer: c) 26

11. Find the odd one out:

- a) Square
- b) Triangle
- c) Rectangle
- d) Circle

Answer: d) Circle (Others are polygons)

12. A train moving at 60 km/h covers 120 km in—

- a) 1 hour
- b) 1.5 hours
- c) 2 hours
- d) 3 hours

Answer: c) 2 hours

