

Section - A

Multiple Choice Questions (MCQ'S)

Q.1 Choose the correct answer for each from the given options.

1. According to Einstein's Quantum Theory light travel in the form of:
 (a) Waves (b) Corpuscles (c) Energy Packets (d) None of these
2. At S.T.P pure water boils at:
 (a) 0 K (b) 100 K (c) 273 K (d) 373 K
3. S.I unit of tension in a string is:
 (a) Pound (b) Newton (c) Kilogram (d) Joule
4. Right hand rule is used to find the direction of:
 (a) Magnetic Field (b) Current
 (c) Force (d) Voltage

5. _____ is concerned with the structure and properties of an atom.

- (a) Bio-Physics (b) Plasma Physics
 (c) Atomic Physics (d) Nuclear Physics

6. Dr. Abdul Qadeer Khan contributed in making Pakistan a _____ State.

- (a) Islamic (b) Nuclear (c) Democracy (d) Welfare

7. _____ is the first equation of motion.

- (a) $V_f^2 = V_i^2 + 2aS$ (b) $V_f = V_i + at$
 (c) $S = v_i t + \frac{1}{2}at^2$ (d) $V_f^2 = V_i^2 + 2aS$

8. The capability of a force to rotate a body about a point is called _____

- (a) Couple (b) Torque (c) Equilibrium (d) Motion

9. The mass of Earth may be determined with the help of _____

law of Universal Gravitation.

- (a) Boyle's (b) Newton's (c) Charles's (d) Coulomb's

10. One form of energy can be converted into another form of energy but total amount of energy remains _____.

- (a) Motion (b) Rest (c) Constant (d) None of these

11. A strong wooden or metallic bar, which can be rotated about a point is called a _____.

- (a) Load (b) Effort (c) Lever (d) Fulcrum

12. The atmosphere is the blanket of air around the Earth. It extends up to about _____ above the surface of the Earth.

- (a) 1000 Km (b) 1500 Km (c) 2000 Km (d) 2500 Km

13. _____ is the force that pushes an object immersed in a liquid in the upward direction.

- (a) Buoyant Force (b) K.E (c) P.E (d) Viscosity

14. Heat is the form of _____.

- (a) Energy (b) Work (c) Wave (d) Sound

15. A _____ is a piece of transparent material.

- (a) Lens (b) Fibers (c) Wood (d) Plastics

16. The sound heard after reflection from a surface is called an _____.

- (a) Echo (b) Ritter (c) Loudness (d) Quality

17. "G" is called _____.

- (a) Gravitation + Acceleration (b) Gravitational Force
 (c) Gravitational Constant (d) None of these