PHYSICS 2022 2023 New Course For Class:IX(E)

SECTION-A (MCQ's)

(i) Numerical value of ---------- remains constant every where:
(a) g (b) G (c) F (d) W

(ii) Spring balance is used to measure:
(a) Mass (b) Weight (c) Elasticity (d) Density

(iii) Your weight as measured on Earth will be ---------- on Moon.
(a) Increased (b) Decreased (c) Remains same
(d) None of these

(iv) The velocity of asatellite is ---------- of its mass.
(a) Independent (b) Dependent (c) Equal (d) Double

(v) During which process a gas becomes a liquid:
(a) Melting (b) Freezing (c) Condensing (d) Boiling

(vi) The energy released during fission of fusion reaction is called:
(a) Solar energy (b) Geothermal energy
(c) Tidal energy (d) Nuclear energy

(vii) Which of the following material is more elastic?
(a) Rubber (b) Glass (c) Steel (d) Wood

(viii) Which is the unit for the spring constant?
(a) N.m (b) $N.m^2$ (c) N.m (d) N.m2

(ix) Which of the following is not a unit of pressure?
(a) Pascal (b) Bar (c) Atmosphere (d) Newton

(x) Newton's law of gravitation holds between every two objects on the:
(a) Earth (b) Jupiter (c) Moon (d) Universe

(xi) Gravitational field of Earth is directed:
(a) Towards the Earth (b) Towards the Sun
(c) Towards the Moon (d) Away from Earth

(xii) ---------- was the first scientist who giave the concept of gravitation:
(a) Einstein (b) Newton (c) Faraday (d) Maxwell

(xiii) Quantity of motion contained in a body is called:
(a) Force (b) Inertia (c) Momentum (d) Gravity

(xiv) Cntrifugal force is always directed:
(a) Towards centre (b) Away from centre
(c) Along the circulr path (d) All sides

(xv) A pajr of inlike parallel forces having different lines forces produce:
(a) Equilibrium (b) Torque (c) A couple
(d) Unstable equilibrium

(xvi) Head to tail rule can be used to add ---------- forces.
(a) Two (b) Three (c) Five (d) Any number of

(xvii) A body is in equilibrium when it has:
(a) Uniform speed (b) Uniform acceleration (c) Both a and b
(d) Zero acceleration

(xviii) A body is in neutral equilibrium when its centre of graity:
(a) Is at the lowest position (b) Remains at same height
(c) Is at highest position (d) Is at its base

(xix) A world wide system of measurements in which the units of base quantities were introduced is called ----------

(a) Prefixes (b) International system of units
(c) Hexadecimal system (d) None of these

(xx) Length, mass, electric current, time intensity of light and amount of substane are examples of:
(a) Base quantities (b) Derived quantities (c) Prefixes
(d) Quartile quantities

Section-B