

Physics 9th Class English Medium Unit 6 Online Test

Sr	Questions	Answers Choice
1	A wire is stretched by a weight w . If the diameter of the wire is reduced to half of its previous value, the extension will become	A. Four times B. Double C. One fourth D. One half
2	Four wires of the same material are stretched by the same load. Their dimensions are given below. Which of them will elongate most.	A. Length 4 m, diameter 0.5 mm B. Length 1 m, diameter 1 mm C. Length 2 m, diameter 2 mm D. Length 3 m, diameter 3 mm
3	The pressure at any point in a liquid is proportional to.	A. Density of liquid B. Depth of the point below the surface of the liquid C. Acceleration due to gravity D. All of the above
4	Pressure applied to an enclosed fluid is.	A. Increases and applied to every part of the fluid B. Transmitted unchanged to every portion of the fluid and walls of containing vessel C. Increased and transmitted to the walls of container D. Diminished and transmitted to walls of container
5	The principle of a hydraulic press is based on.	A. Pascal's law B. Hooke's Law C. Principle of conservation of energy D. Principle of conservation of momentum
6	When a spring is compressed, what form of energy does it possess.	A. Heat B. Internal C. Potential D. Kinetic
7	What is the force exerted by the atmosphere on a rectangular block surface of length 50 cm and breadth 40 cm? The atmospheric pressure is 100 kPa.	A. 20 kN B. 200 kN C. 100 kN D. 500 kN
8	The most elastic material of the following is.	A. Rubber B. Steel C. Wood D. Glass
9	Hook's law holds good up to	A. Plastic B. Elastic C. Yield limit D. Proportional limit
10	A mass of 2 kg is hung by a spring which displaces it through 5 cm. The spring constant.	A. 4000 N/m B. 400 N/m C. 40 N/m D. 4 N/m
11	Materials which do not regain their original shape after removal of the load producing deformation are termed as.	A. Rigid materials B. Hooke's materials C. Plastic materials D. Elastic materials
12	SI unit of pressure is.	A. Newton B. Pascal C. Infinite D. Zero
13	Which will exert greater pressure.	A. 3 g needle of tip area 1 mm ² B. 4000 kg elephant of total foot area 0.5 m ² C. A girl of mass 40 kg wearing high heel shoes of cross-sectional area 0.5 cm ² D. A loaded ship of mass 2.2×10^7 kg having area 600 m ²

		mm ²
14	Pressure of 1000 bars is equivalent is.	A. 0.1 kPa B. 100 k Pa C. 10 k Pa D. 1 k Pa
15	Divers wear special suites in order to protect them from	A. Low pressure B. Low temperature C. High Temperature D. High Pressure
16	In a statinary fluid, the local pressur eof the fluid vary.	A. Neither with depth nor along horizontal direction B. With depth only C. Both with depth and long horizontal direction D. Horizontally only
17	Teh pressure exdrted by a aman one the surface of earth will be smaller when be	A. Stands on both feet B. Sites on the ground C. Sleeps on the ground D. Stands on one leg
18	Pressure of 1 mm Hg is equal to	A. 1 atm B. 133.29 atm C. 1.316×10^{-3} atm D. 1.31×10^5 atm
19	Atmospheric pressur eis commonly measured using a.	A. Hygrometer B. Monometer C. Barometer D. Thermometer
20	The atmospheric pressure willbe smaller at.	A. Peshawar B. Murree C. Lahore D. Islamabad
21	Pressure of liquid in a container increase with	A. Depth B. Volume C. Mass D. Base
22	Which amount of water has greater density at room temperature.	A. 1 ton B. 100 g C. 1 kg D. All have same density
23	What is mass of a liquid of density 50 kg m ⁻³ in a container of volume 5 m ³ ?	A. 200 kg B. 250 kg C. 225 kg D. 275 kg
24	Which of the following physical properties is used in a mercury thermometer.	A. Colour B. Pressure C. Volume D. Electrical resistance