Mechanical Properties of Matter

Sr	Questions	Answers Choice
1	Atmospheric pressur eis commonly measured using a.	A. Hygrometer B. Monometer C. Barometer D. Thermometer
2	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
3	Which will exert greater pressure.	A. 3 g needle of tip are 1 mm2 B. 4000 kg elephatn of total feed area 0.5 m2 C. A girl of mass 40 kg wearing high heel shoes of cross sctional area 0.5 cm2 D. A loaded ship fo mass 2.2 x10 ⁷kg having area 600 mm2
4	SI unti of pressure is.	A. Newton B. Pascal C. Infinite D. Zero
5	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
6	Four wires of the same material are stretch by the same load. Their dimensions are give 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. Legnth 3 m, diameter 3 mm
7	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. Diminshed and transmitted to walls of cntainer
8	Pressure of 1 mm Hg is equal to	A. 1 atm B. 133.29 atm C. 1.316 x 10⁻³ atm D. 1.31x 10⁵atm
9	Materials which does not regain its original hape after remvoal of the load producing deformationare termed as.	A. Rigid materials B. Hook's materials C. Plastic materials D. Elastic materials
10	The atmospheric pressure willbe smaller at.	A. Peshawar B. Murree C. Lahore D. Islamabad
11	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 k Pa.	A. 20 kN B. 200 kN C. 100 kN D. 500 kN
12	What is mass of a liquid of density 50 kg m-3 in a container of volume 5 m3?	A. 200 kg B. 250 kg C. 225 kg D. 275 kg
13	A mass of 2 kg is hung by spring which displaces it through 5 cm. the spring constnat.	A. 4000 N/m B. 400 N/m C. 40 N/m

		D. 4 N/m
14	Hook's law hodl good up to	A. Plastic B. Elastic C. Yield limit D. Proportinal unit
15	Pressure of liquid in a container increase with	A. Depth B. Volume C. Mass D. Base
16	The principle of ahydrulic press is based on.	A. Pascal's law B. Hooke's Law C. Principle of conseration of energy D. Principle of conservatin of momentum
17	When a spring in compressed, what form of energy does it possess.	A. Heat B. Internal C. Potential D. Kinetic
18	Which amount of water has greater density at room temperature.	A. 1 ton B. 100 g C. 1 kg D. All have same density
19	Pressure of 1000 bars is equivalent is.	A. 0.1 kPa B. 100 k Pa C. 10 k Pa D. 1 k Pa
20	Which of the following physical properties is used in a mercury thermometer.	A. Colour B. Pressure C. Volume D. Electrical resistance