PPSC Physics Topic 2 Structural Properties of Matter

Sr	Questions	Answers Choice
1	With increase in temperature the angle of contact of liquid.	A. Increases B. Decreases C. Becomes zero D. First increase then decreases
2	Which principle is in effect when a ship displaces ocean water.	A. Bernouli's B. Pascal's C. Hook's D. Archimedes
3	The SI unit of strain is	A. N m-1 B. N m-2 C. N m D. It has no unit
4	If the cross sectional area of the pipe decreases the speed of the fluid increase according to.	A. Venturi relation B. Bernoulli's equation C. Equation of continuity D. Torriculli's theroem
5	A rectangular block has length 6 cm, width 5 cm and height 10 cm Its mass is 150 g The density of the block is	A. 0.2 g cm-3 B. 0.5 g cm-3 C. 2 g cm-3 D. 5 g cm-3
6	At high altitudes, the blood flows out of nose and ear because.	A. Blood pressure increase at high altitudes B. Percentage of oxygen in the air increase C. Atmospheric pressure decreases there D. Density of blood decreases of high altitudes
7	The Pressure will be low where the speed of the fluid is	A. Zero B. High C. Low D. Constant
8	Gases have	A. Fixed shape B. Fixed volume C. Fixed shape and volume D. No fixed shape and volume
9	The air plane lift is based on	A. Archimedes principle B. Law of conservation of momentum C. Bernoulli's principle D. Law of conservation of energy
10	The ratio of tensile stress to tensile strain is called.	A. Shear modulus B. Bulk modolus C. Young's modulus D. Elastic limit
11	Bernouli's equation includes as a special case of.	A. Hook's law B. Torricelli's therorem C. Third law of motion D. Archimedes principle
12	The strength per unit volume of a solid is called.	A. shear stress B. Shear strain C. Bulk strength D. Bulk modulus
13	A uniform vertical wire is stretched by hanging a mass from its lower end Which of the following does ot effect the strain in the wire.	A. The stress B. The upstretched length C. The load applied D. the Young's modulus of the metal
14	Density of blood a	A. Equal to water B. Greater than water C. Less than water D. zero

15	the ratio of applied stress to volumetric strain is called.	A. shear modulus B. Bulk modulus C. Young's modulus D. elastic limit
16	Amorphous solids are also called.	A. Crystalline solids B. Glassy solids C. Polymeric solids D. Polymers
17	At which temperature surface tension of liquid will be maximum	A. $0\,^{o}C$ B. $20\,^{o}C$ C. $30\,^{o}C$ D. $100\,^{o}C$
18	The product of velocity and cross sectional are for a liquid flowing through a pipe is a measure of the.	A. Rate of flow B. Volume of fluid C. Fluid pressure D. Fluid friction
19	The venturimeter is an instrument used for measuring the	A. Viscosity of a liquid B. Flow speed of a liquid C. Compressibility of a fluid D. Specific gravity of a liquid
20	For which position, will the maximum blood pressure in the body have the smallest value.	A. Standing up right B. Sitting relaed C. Lying horizontally D. Standing on one's head