

## PPSC Physics Chapter 2 Structural Properties of Matter

Sr	Questions	Answers Choice
1	An instrument which can float in the liquid to be tested and by means of which the specific gravity of the liquid may be determined is.	A. Hydrometer B. Barometer C. Siphon D. Lactometer
2	A spring obeying Hooke's law has an upstretched length 50 mm and a spring constant of 400 N m-1 What is the tension in the spriing when its overall length is 70 mm.	A. 8 N B. 28 N C. 160 N D. 400 N
3	The air pressure at the bottom of an air foiling motion is	A. Greater than that on the top <div> <li>br&gt;</li></div> <li>B. Equal to that on the top</li> <li>C. Grather than that on the top</li> <li>D. Zero</li>
4	The magnus effect is equivalent to	A. Bernouli's theorem B. Archimedes principle C. Pascal's law D. Blood pressure
5	Which of the following is more viscous	A. Air B. Honey C. Water D. Milk
6	The lowest stress at which strain increases in stress in called.	A. elastic limit B. Plastic limit C. Yield point D. Bulk strength
7	Which principle is in effect when a ship displaces ocean water.	A. Bernouli's B. Pascal's C. Hook's D. Archimedes
8	What is generated when air moves an air foil.	A. Thrust B. Lift C. Drag D. Turbulence
9	Any substance that can flow is a	A. Solid B. Gas only C. liquid only D. Fluid
10	Crystalline solids are of.	A. Short range order B. Long range order C. Intermediate range D. Plastics
11	The smooth and steady streamline flow is known as	A. Turbulent flow B. Laminar flow C. Regular flow D. Irregular flow
12	The dimensions of viscosity are	A. [MLT-1] B. [MT-2] C. [ML-1T-1] D. [ML2T-1]
13	The terminal velocity in case of spherical droplet is directly proportional to.	A. Square of the radius of the droplet B. Radius of the droplet C. Cube of the radius of the droplet D. Half of the Radius of the droplet half
14	The buoyancy depends upon the	A. Depth to which the body is immersed B. Shape of the body C. Mass of the body D. Mass of the liquid displaced
15	With increase in temperature the angle of contact of liquid	A. Increases B. Decreases

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16	A force of 10 N acting on a certain spring produces an extension of 40 mm Two such spring are connected end to end and this double length spring is extended by 40 mm What is the strain energy.	A. 0.05 J B. 0.10 J C. 0.20 J D. 0.40 J
17	Liquids with disordered structure frozen in are an example of	A. Amorphous solids B. Glassy solids C. Crystalline solids D. Polymeric molecules
18	A small and a large rain drops are falling thgouth all.	A. Large drop falls faster B. Both move with same velocity C. Small drop falls faster D. Small drop does not fall
19	The fluid which is incompressible and non viscous is called.	A. Viscous fluid B. Nonideal fluid C. Ideal fluid D. Perfect fluid
20	A rectangular block has length 6 cm, width 5 cm and height 10 cm lts 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