

PPSC Physics Full Book

Sr	Questions	Answers Choice
1	A tin film of liquid is enclosed between two glass plates it is difficult to spates the plates on account of.	A. Surface tension B. Atmospheric pressure C. Viscosity D. Friction
2	The surface of a liquid is somewhat similar to a stretched membrane because.	A. There is an elastic stress in the surface B. Tension in the surface increases if the area is increased C. The surface has a natural tendency to contract D. Ripples can be produced on the surface
3	Rate of flow of a liquid is expressed in	A. Litre m-3 B. Litre s-1 C. Litre m-1 D. Litre s
4	Drag force between two layers under consideration depends on	A. Distance between the layers B. Surface area of layers C. Relevant velocity between them D. All of the above
5	How much would be the volume of ice formed by freezing 1 litre of water.	A. 1.0 litre B. 1.09 litre C. 1.90 litre D. 2.0 litre
6	A tank 3 m long 1 m wide and 0.5 m deep is filled with oil which weight 12,000 N . The pressure on the base of the tank due to oil is.	A. 1,000 Pa B. 4,000 Pa C. 3,000 Pa D. 6,000 Pa
7	The fluid which is incompressible and non viscous is called.	A. Viscous fluid B. Nonideal fluid C. Ideal fluid D. Perfect fluid
8	The word fluid means	A. To rise B. To fall C. To flow D. To oppose
9	Which liquid can flow easily.	A. Traacle B. Pitch C. Ether D. All flow with same rate
10	How does viscosity affect relative motion between the liquid layers.	A. Does not affect B. Accelerates C. May accelerate of retard D. Retards
11	If a liquid does not wet a solid surface, the angle of contact is.	A. Less than 90° B. Greeter than 180° C. 90° D. Between 90° and 180°
12	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
13	a body floats in liquid contained in a beaker The whole system falls freely under gravity The outthrust on the body due to liquids is	A. Zero B. Equal to the weight of the body in air C. Equal to the weight of the liquid displaced D. Equal to the weight of the immersed portion of the body

A. Float lower

14	A piece of weighed wood just floats in water when placed in alcohol will	B. Float higher C. Stay as before D. Sink
15	Birds planes and boats are streamlined to reduce	A. Turbulence B. Thrust C. Drag D. Lift
16	The magnus effect is equivalent to	A. Bernoulli's theorem B. Archimedes principle C. Pascal's law D. Blood pressure
17	The velocity at which laminar flow changes to turbulent flow is called.	A. Terminal velocity B. Escape velocity C. Critical velocity D. Uniform velocity
18	A breaker is full of water with an ice piece floating The ice place has a lead piece in it When ice cube mells then.	A. Water overflows B. Level falls C. Level remains unchanged D. Density increases
19	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
20	The nib of fountain pan is split of convey ink down the nib by the phenomenon of.	A. Adhesion B. Cohesion C. Osmosis D. Capillary
21	The pressure change in a confined incompressible fluid is transmitted equally in all directions throughout the fluid and to the walls of the container This is.	A. Archimedes principle B. Kirchhoff's law C. Pascal's law D. Ampere's law
22	A bodybuilders uses a chest expander with five springs it takes a force of 20 N to Pallone spring out by 15 cm how much force will be needed to extend the expander by 15 cm.	A. 50 N B. 75 N C. 150 N D. 1000 N
23	If you float in water with just your nose out the average density of your body must be	A. Same as that of water B. Greater than that of water C. Less than that of water D. Zero
24	Soap cleans the dirty clothes because.	A. Its chemical constituents are changed B. It increases the surface tension of its solution with water C. It increases the surface tension of its solution with water D. It is less dense than that of water
25	Viscosity will be maximum when	A. Water is at 20 ^o C B. Honey is at 20 ^o C C. Water is at 100 ^o C D. Milk is at 100 ^o C
26	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
27	What is generated when air moves an air foil.	A. Thrust B. Lift C. Drag D. Turbulence
28	Which force pushes up a body in fluid	A. Thrust B. Lift C. buoyant D. Pressure
29	The force that moves a rocket or a plane forward is called.	A. Lift B. drag C. Thrust D. Turbulence
30	Fluid mechanics is the study of how fluid move and the other ting involved is	A. Energy B. Velocity C. Forces D. Position

