

## ECAT Physics Chapter 6 Fluid Dynamics

Sr	Questions	Answers Choice
SI	Questions	
1	The pressure will be low where the speed of the fluid is	A. Zero B. High C. Low D. Constant
2	The velocity of falling raindrops attains limited value because of	A. Up thrust of air B. Air currents of the earth atmosphere C. Surface tension effect D. Viscous force exerted by air
3	The resistance offered by a fluid to a solid moving inside it is called:	A. Drag force B. Surface force C. Viscosity D. None of these
4	The blood pressure of a person	A. decrease with age B. increase with age C. has no effect with age D. none of them
5	The study of fluid in motion basically involves law of conservation of:	A. Mass B. Energy C. Change D. Both A and C E. Both A and B
6	One torr is equal to	A. 13.33 N/m <sup>2</sup> B. 760 N/m <sup>2</sup> C. 760 mm Hg D. 133.3 N/m <sup>2</sup>
7	Fluids have three types of energies. The Bernoulli's equation combines those energies.which of the following is one of the three enrgies possessed by a fluid?	A. potential energy B. pressure energy C. strain energy D. (a) and (b) only
8	Fire fighters have a jet attached to the head of their water pipes in order to head of their water pipes in order to	A. Increase the mass of water flowing per second B. Avoid wastage of water C. Increase the velocity of water flowing out D. Increase the volume of water flowing per second
9	During the steady flow, different streamlines	A. cannot across each other B. can across each other C. either of them D. neither of them
10	Fluids resist force, This property is called	A. Stiffness B. Strength C. Ductility D. Elasticity
11	Which of the following has the greatest coefficient of viscosity?	A. water B. gasoline C. honey D. tar
12	Glycerin has viscosity the viscosity of water:	A. More than B. Equal to C. Less than D. None of these
13	The smooth or steady stream-line flow is know as	A. Laminar flow B. Turbulent flow C. Both a and b D. None of the above
		A. Equal to weight of liquid displaced

		D. Weight of body-weight of liquid displaced
15	The law of conservation of energy gives us	A. equation of continuity B. Bernoulli's theorem C. both of them D. none of them
16	The pressure will change in the pipe, as the fluid moves through that pipe of varying	A. cross-section B. height C. none of them D. both of them
17	Under normal circumstances, the volume of blood is sufficient to keep the vessels	A. flatted for all times B. inflated for all times C. inflated for small times D. none of them
18	In a normal healthy person the value of diastolic pressure is	A. 75 - 80 torr B. 100 torr C. 120 torr D. none of them
19	The mass of fluid passing through any cross-section per unit time is called	A. electric flux B. magnetic flux C. mass flux D. none of them
20	Matter is made up of very tiny particles called	A. Atoms B. Molecules C. lons D. None of these