

## Physics ECAT Pre Engineering Chapter 6 Fluid Dynamics Online Test

Sr	Questions	Answers Choice
1	A massive object falls through a fluid:	A. Faster B. Slower C. Slowest D. None
2	High speed meteors rushing through air reduces to ashes because of:	A. Force of gravity B. High resistance of air C. Drag force D. None of these
3	Stock's law holds for:	A. Motion through free space B. Motion through viscous medium C. Bodies of all shapes D. None of these
4	Viscosity of water is _____ that of air but ____ that of plasma.	A. More, more B. Less, more C. Less, less D. More, less
5	Fluid friction is _____ the friction between two solid surfaces:	A. Greater than B. Smaller than C. Equal to D. None of these
6	Density of fluid is defined as:	A. Its volume to mass ratio B. Product of volume and mass C. Its mass of volume ratio D. None of these
7	Unit of viscosity is:	A. $\text{Kg m}^{-1}\text{sec}^{-1}$ B. $\text{N s m}^{-2}$ C. $\text{J s m}^{-3}$ D. All of these
8	Glycerin has viscosity _____ the viscosity of water:	A. More than B. Equal to C. Less than D. None of these
9	A body is moving through a viscous medium eventually comes to rest because of:	A. Force of gravity B. Force of friction C. Its weight D. Both A and C
10	$\text{N s m}^{-2}$ is unit of:	A. Drag force B. Pressure C. Surface tension D. Coefficient of viscosity
11	Machine parts are jammed due to:	A. Increasing in viscosity of lubricant B. Decreasing in viscosity of lubricant C. Decreasing in surface tension of lubricant D. None of these
12	The body passing a viscous medium affected by:	A. One force only B. Two forces only C. Four forces D. None of these
13	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
14	The property of fluids due to which they resist their own flow is called:	A. Drag force B. Surface tension C. Viscosity D. None of these
15	A tube is tapered from 20 cm diameter to 2 cm diameter, the velocity at the first cross-section is 50 cm/s, then the velocity at the second cross-section is	A. 50 m/s B. 20 m/s C. 40 cm/s D. None of these

