

## ECAT Pre General Science Physics Chapter 6 Fluid Dynamics Online Test

C-	Overtices	Answers Choice
Sr	Questions	
1	Glycerin has viscosity the viscosity of water:	A. More than B. Equal to C. Less than D. None of these
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	In a surface tension experiment with a capillary tube water rises up to 0.1 m. if the same experiment is repeated on an artificial satellite, which is resolving around the earth, water will rise in the capillary tube up to a height of	A. 0.1 m B. 0.2 m C. 0.98 m D. Full length of the capillary tube
4	The pressure will be low where the speed of the fluid is	A. Zero B. High C. Low D. Constant
5	The fluid which is incompressible and non viscous is called	A. Ideal fluid B. Non-ideal fluid C. Prefect fluid D. All
6	Terminal velocity is the maximum velocity attained by a spherical droplet when the drag forcethe weight of droplet:	A. Is smaller than B. Is greater than C. Becomes equal to D. None of these
7	At low speeds, the drag force is	A. proportional to speed B. inversely proportional to speed C. not simply proportional to speed D. none of them
8	The density of blood is nearly equal to that of	A. mercury B. sodium C. water D. honey
9	Fog droplets are suspended in air when their weight is balanced by:	A. Force of gravity B. Upward trust due to air C. Surface tension D. None of these
10	Ball pen functions on the principle of	A. Viscosity B. Boyle's law C. Gravitational force D. Surface tnesion
11	The application of Bernoulli's equation is	A. Torricelli's theorem B. Venture relation C. Binomial theorem D. Both a and b
12	Bernoulli's equation is based upon law of conversation of	A. mass B. momentum C. Energy D. None
13	If one of the pipes has a much smaller diameter than the other and are placed horizontally then form both sides of Bernoulli's equation, we can drop the term	A. P B. 1/2 fv <sup>2</sup> C. pgh D. none of them
14	Blood is an	A. Compressible fluid B. incompressible fluid C. hard D. none of them
15	In Bernoulli's theorem the relation between velocity and pressure is	A. Inverse B. Direct C. None of the above D. Both a and b

16	The density of water is $10^3$ kg/m $^3$ . The water pressure on a submarine is $2.0 \times 10^7$ N/m $^2$ . The depth of the submarine below the surface of the water, in maters, is approximately	A. 200 m B. 11000 m C. 2000 m D. 8000 m
17	The rain drop falling from the sky reach the ground with	A. Constant terminal velocity     B. Constant gravitational acceleration     C. Variable acceleration     D. acceleration greater than g
18	The drag force acting on a spherical droplet of radius $10^{-5}$ m moving with a velocity of 1 cm/sec in a fluid of velocity 5.31 x $10^{-7}$ m/sec. The units comes out to be:	A. 10 <sup>-16</sup> N B. 10 <sup>-14</sup> N C. 10 <sup>-12</sup> N D. 10 <sup>-10</sup> N
19	According to the Bernoulli's equation, where the speed of the fluid is high, the pressure will be	A. low B. zero C. high D. all of them
20	Blood pressure is measured by the instrument	A. stethoscope B. sphygmomanometer C. barometer D. none of them
21	At the starting point of the free fall motion of an object, its acceleration will be	A. maximum B. minimum C. zero D. none of them
22	Fluid friction is the friction between two solid surfaces:	A. Greater than B. Smaller than C. Equal to D. None of these
23	Substances that flow easily have	A. large coefficient of viscosity B. small coefficient of viscosity C. either of them D. none of them
24	When the speed of a body in a fluid increases then the drag force	A. decreases B. becomes zero C. increases D. non of them
25	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
26	Which of the following is a characteristic of an ideal fluid?	A. it is non-viscous B. it is incompressible C. it's motion is steady D. all of the above
27	A high concentration of red blood cells increases its viscosity from	A. 3 - 5 times that of mercury B. 5 - 8 times that of mercury C. 3 - 5 times that of water D. 5 - 8 times that of water
28	Pressure exerted by a gas on the walls of its container in due to	A. adhesion between the gas molecules and the container B. cohesion between the gas molecules and the container C. collision between the gas molecules and the container D. surface tension of the gas
29	One torr is equal to	A. 13.33 N/m <sup>2</sup> B. 760 N/m <sup>2</sup> C. 760 mm Hg
30	In a normal healthy person the value of systolic pressure is	D. 133.3 Wm <sup>2</sup> A. 75 torr B. 80 torr C. 120 torr D. all of them
31	In a container having water filled up to a height h, a hole is made in the bottom. The velocity of water flowing out of the hole is	A. Independent of h B. Proportional to h <sup>1/2</sup> C. Proportional to h D. Proportional to h <sup>2</sup>
32	The velocity gained by the fluid in falling through the distance $(h_{1-h2})$ under the action of gravity is equal to the speed of the	A. orifices B. efflux C. fluid D. none of them

33	Deep water almost runs still when surface water flow in rivers. What does it explains	Equation of continuity     Surface energy     Bernoulli's equation
34	Stoke;s law is not applicable when the speed of the object moving through a fluid is:	A. Zero B. Small C. Large D. None of these
35	Viscosity of water is that of air but that of plasma.	A. More, more B. Less, more C. Less, less D. More, less
36	According to the equation of continuity, when water falls from the tap, it's speed increases and its cross-sectional area	A. decreases B. increases C. becomes zero D. none of them
37	When weight of an object falling freely becomes equal to the drag force, then the body will move with	A. increasing speed B. decreasing speed C. constant speed D. none of them
38	The flow of an ideal fluid is	A. streamline flow B. incompressible flow C. non-viscous D. all of the above
39	Bernoulli's equation is important in the field of	A. Electrical circuit     B. Magnetism     C. Photoelectric effect     D. Flow of fluids
40	The product of cross-sectional area of the pipe and the fluid speed at any pint along the pipe is	A. very high B. very low C. constant D. zero
41	At high altitude the blood oozes out of the nose and ear because	A. The blood pressure increase at high altitudes B. The percentage of oxygen in the air increase C. The atmospheric pressure decrease there D. The density of blood decrease at high altitudes
42	The dimensions of viscosity are:	A. M <sup>2</sup> L <sup>- 1</sup> T <sup>&gt;-2</sup> B. M <sup>- 1</sup> L <sup>1</sup> T <sup>&gt; 1</sup> L <sup>1</sup> T <sup>T Sup&gt;T<sup>T Sup&gt;T Sup&gt;T Sup&gt;T Sup&gt;T Sup&gt;T Sup&gt;T Sup&gt;T Sup&gt;T</sup></sup>
43	If the flow is incompressible and the flow is steady then the mass of the fluid through the pipe	A. increases B. decreases C. becomes zero D. is conserved
44	Bernoulli's equation is based upon law of conservation	A. Mass B. Momentum C. Energy D. None of these
45	0.10 cm can be written as:	A. 1.0 x 10 <sup>-2</sup> m B. 1.0 x 10 <sup>-3</sup> cm C. 1.0 x 10 <sup>-4</sup> cm D. 1. x 10 <sup>-4</sup> m
46	Internal friction of fluid is called	A. Surface tension B. Viscosity C. Resistance D. Cohesive force
47	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
48	What is another name for laminar flow?	A. streamline B. unsteady flow C. turbulent flow D. both (a) and (b)

A. Magnus effect

A. kg m<sup>-1</sup>s<sup>-1</sup>

A barometer B. speed of liquid flow is known as C. sphygmomanometer D. venture-field flow is known as C. sphygmomanometer D. venture-field flow is conservation of them by the fire fall motion of an object, when its weight becomes equal to the drag force, D. vanious flowed force of them it will move with the part of the sphere of them it will move with the speed of fliquid becomes equal to downward force of gravity of the drag force D. None of these D. Starts increasing D. None of them D. Starts increasing D. None of them D. Starts increasing D. Starts decreasing D. None of them D. Starts increasing D. Starts decreasing D. None of them D. Starts increasing D. Starts decreasing D. None of them D. Starts increasing D. Starts decreasing D. None of them D. Starts increasing D. Starts decreasing D. None of them D. Starts increasing D. Starts decreasing D. None of them D. Starts increasing D. Starts decreasing D. Starts decreasing D. None of them D. N	49	The SI unit of viscosity is	B. kg ms <sup>-1</sup> C. kg m <sup>-1</sup> s <sup>-2</sup> D. kg m <sup>-1</sup> s
Section	50	A device used to measure the speed of liquid flow is known as	B. speedometer C. sphygmomanometer
When the droplet moves with terminal velocity in a fluid, the net force acting on the droplet is:  Rate of flow can be expressed in  Rate of flow can be expressed in  A littre/sec B. littre-sec C. sec/litre D. sec/litre D. sec/litre-m  A water hose with an internal diameter of 20 mm at the outlet discharges 30 kg of water in 60 s. What is water speed at the outlet if density of water is 1000 kg/m³during its steady flow Blood vessels can be stretch like rubber, therefore they are  Blood vessels can be stretch like rubber, therefore they are  The blood pressure of a person  A decrease with age B. increase with age C. has no effect with age D. none of them  During the free fall motion of an object, when its weight becomes equal to the drag force, then it will move with  When the upward drag force of the fluid becomes equal to downward force of gravity of the droplet, then its velocity:  A Starts increasing B. Starts decreasing C. Becomes constant D. Is called escape velocity  A Drag force B. Surface force C. Viscosity D. None of these  A equation of continuity	51	N s m <sup>-2</sup> is unit of:	B. Pressure C. Surface tension
Rate of flow can be expressed in  A water hose with an internal diameter of 20 mm at the outlet discharges 30 kg of water in 60 s. What is water speed at the outlet if density of water is 1000 kg/m³during its steady flow  Blood vessels can be stretch like rubber, therefore they are  A rigid B. hard C. very thick D. not rigid  A decrease with age B. increase with age C. has no effect with age D. none of them  During the free fall motion of an object, when its weight becomes equal to the drag force, then it will move with  During the free fall force of the fluid becomes equal to downward force of gravity of the drag force, then its velocity:  A Starts increasing B. Starts decreasing C. Becomes constant D. Is called escape velocity  The resistance offered by a fluid to a solid moving inside it is called:  A equation of continuity	52		B. Zero C. mg-F <sub>D</sub>
A water hose with an internal diameter of 20 him at the dutiet discharges 30 kg of water in flow  8. 1.6 m/s C. 1.9 m/s D. 2.2 m/s D. 2.2 m/s  A rigid B. hard C. very thick D. not rigid A. decrease with age B. increase with age C. has no effect with age D. none of them  During the free fall motion of an object, when its weight becomes equal to the drag force, then it will move with  During the upward drag force of the fluid becomes equal to downward force of gravity of the droplet, then its velocity:  When the upward drag force of the fluid becomes equal to downward force of gravity of the droplet, then its velocity:  A. Drag force B. Surface force C. Viscosity D. None of these  A. equation of continuity	53	Rate of flow can be expressed in	B. litre-sec C. sec/litre
Blood vessels can be stretch like rubber, therefore they are  C. very thick D. not rigid  A. decrease with age B. increase with age C. has no effect with age D. none of them  During the free fall motion of an object, when its weight becomes equal to the drag force, then it will move with  When the upward drag force of the fluid becomes equal to downward force of gravity of the droplet, then its velocity:  A. Starts increasing B. Starts decreasing C. Becomes constant D. Is called escape velocity  The resistance offered by a fluid to a solid moving inside it is called:  A. equation of continuity	54	60 s. What is water speed at the outlet if density of water is 1000 kg/m <sup>3</sup> during its steady	B. 1.6 m/s C. 1.9 m/s
The blood pressure of a person  B. increase with age C. has no effect with age D. none of them  During the free fall motion of an object, when its weight becomes equal to the drag force, then it will move with  A. maximum speed B. zero speed C. maximum speed D. none of them  A. Starts increasing B. Starts decreasing C. Becomes constant D. Is called escape velocity  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  A. equation of continuity	55	Blood vessels can be stretch like rubber, therefore they are	B. hard C. very thick
During the free fall motion of an object, when its weight becomes equal to the drag force, then it will move with  B. zero speed C. maximum speed D. none of them  When the upward drag force of the fluid becomes equal to downward force of gravity of the droplet, then its velocity:  A. Starts increasing B. Starts decreasing C. Becomes constant D. Is called escape velocity  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  A. equation of continuity	56	The blood pressure of a person	B. increase with age C. has no effect with age
When the upward drag force of the fluid becomes equal to downward force of gravity of the droplet, then its velocity:  B. Starts decreasing C. Becomes constant D. Is called escape velocity  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  A. equation of continuity	57		B. zero speed C. maximum speed
The resistance offered by a fluid to a solid moving inside it is called:  B. Surface force C. Viscosity D. None of these  A. equation of continuity	58		B. Starts decreasing C. Becomes constant
	59	The resistance offered by a fluid to a solid moving inside it is called:	B. Surface force C. Viscosity
C. both of them D. none of them	60	The law of conservation of mass gives us the	B. Bernoulli's theorem C. both of them
A. Inter molecular attractions B. Inter molecular spaces C. Inter molecular repulsion D. None of above	61	Surface tension of water is due to	A. Inter molecular attractions     B. Inter molecular spaces     C. Inter molecular repulsion
A. 125 J A fluid at a certain point has 50 J of potential energy per unit volume, 75 J of kinetic energy per unit volume, and 35 J of pressure energy per unit volume. the total energy of the fluid is D. 85 J	62		B. 90 J C. 160 J
for gases	63	With increase of temperature, the viscosity of liquid and gases	B. Decreases for both C. Increases for liquids and decreases for gases D. Decreases for liquids and increases
B. Zero C. Less than the weight of liquid displaced	64	A body is floating in a liquid. The up thrust on the body is	C. Less than the weight of liquid displaced D. Weight of body-weight of liquid
When a water droplet falls through air, the net force on it is  B. Net force = weight - drag force C. Net force = drag force + weight	65	When a water droplet falls through air, the net force on it is	A. Net force = drag force - weight B. Net force = weight - drag force C. Net force = drag force + weight D. Net force = weight + drag force

66	A body is moving through a viscous medium eventually comes to rest because of:	B. Force of friction C. Its weight D. Both A and C
67	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
68	Fire fighters have jet attached to the head of their water pipes in order to	A. Increase the mass of water flowing per second B. Increase the velocity of water flowing out C. Increase the volume of water flowing per second D. Avoid wastage of water
69	When the different streamlines cannot cross each other, then this condition is known as	A. continuity condition B. turbulent flow condition C. steady flow condition D. none of them
70	The product of cross-sectional area of the pipe and the fluid speed at any point along the pipe is called	A. constant rate B. volume rate C. flow rate D. steady rate
71	The un-steady streamline flow is called	A. laminar flow B. turbulent flow C. both of them D. none of them
72	The velocity of falling raindrop attains limited value because of	A. Up trust of air B. Viscous force exerted by air C. Surface tension effect D. Air currents atmosphere
73	The electrical forces between the molecules of a liquid are	A. Repulsive B. Attractive C. Both A and B D. None
74	The maximum drag force on a falling sphere is 9.8 N, it weight is	A. 1 N B. 9.8 N C. 4.9 N D. Cannot be calculated
75	Two water pipes of diameters 4 cm and 8 cm are connected with a supply line. The velocity of flow of water in the pipe 4 cm diameter is	A. 1/4 times B. 4 times C. Twice D. 1/2 of 8 cm diameter pipe
76	When there is no internal frictional forces between the adjacent layers of fluid, then the fluid is called	A. incompressible B. compressible C. viscous D. non viscous
77	Where the streamlines are very close to each other, the pressure will be	A. low B. zero C. high D. all of them
78	Blood pressure is measured in torr. Which of the following units could belong to torr?	A. N m <sup>-1</sup> B. N m <sup>-2</sup> C. N m D. N <sup>-1</sup> m <sup>-2</sup>
79	The fluid is incompressible, if itsdensity is	A. zero B. constant C. very high D. very small
80	Which of the following options states the names of fluids in the order of increasing viscosity?	A. mercury, motor oil, methanol B. methanol, mercury, motor oil C. motor oil, mercury, methanol D. methanol, motor oil, mercury
81	Which of the following options correctly states the equation of continuity for an ideal fluid?	A. A <sub>1</sub> A <sub>2</sub> = V <sub>1</sub> V <sub>2</sub> = B. A <sub>1</sub> /A <sub>2</sub> = V <sub>2</sub> = V <sub>2</sub> + C. A <sub>1</sub> /A <sub>2</sub> = V <sub>1</sub> + D. none of the above
82	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

83	Bernoulli's equation is the fundamental equation in fluid dynamics, which relates pressure to fluid	A. speed B. height C. none of them D. both of them
84	The analysis of fluid motion becomes simplified by using	A. law of conservation B. law of conservation of energy C. both of them D. none of them
85	In the case of an incompressible fluid in stead flow the net rate of flow of mass entering one end of the tube of flow is equal to the net rate of flow of mass leaving the other end. This equation is called	A. Quadratic equation     B. Equation of discontinuity     C. Equation of continuity     D. None of the above
86	Viscosity is defined as	A. the friction between fluid and its container's walls B. the internal friction between two layers of fluid C. the resistance to flow a fluid experiences D. the extent to which outside factors effect the fluid's flow
87	What are the SI base units of the coefficient of viscosity	A. Kg m s <sup>-2</sup> B. kgm <sup>2</sup> s <sup>-2</sup> C. Kg m s <sup>-1</sup> D. kg m <sup>-1</sup>
88	According to the Bernoulli's theorem the pressure velocity are	A. equal to each other B. proportional to each other C. inversely proportional to each other D. none of them
89	The direction of the streamlines is the same as the direction of the	A. force B. torque C. velocity D. weight
90	Substances that do not flow easily have	A. large coefficient of viscosity B. small coefficient of viscosity C. either of them D. none of them
91	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. 5 cm/s
92	The effect of friction between different layers of a flowing fluid is described in terms of	A. motion of fluid B. nature of fluid C. colour of fluid D. viscosity of fluid
93	Stock's law holds for:	A. Motion through free space B. Motion through viscous medium C. Bodies of all shapes D. None of these
94	The equation of continuity is	A. A <sub>1</sub> A <sub>2 = V</sub> <sub>1</sub> V <sub>2</sub> B. A <sub>1/<sub><sub>V</sub> Sub&gt;1= </sub>A<sub>2/</sub> C. <sub>V</sub> C. <sub>V</sub> <sub>1/</sub>A<sub>1= </sub>V<sub>2</sub> D. A<sub>1/</sub>A<sub>2</sub> D. A<sub>1</sub> <sub>1/<sub>2</sub> D. A<sub>1</sub> <sub>1/<sub>2</sub> Sub&gt;1/<sub>2</sub> D. A<sub>1</sub> Sub&gt;1/<sub>2</sub> Sub&gt;1/<sub>2</sub> Sub&gt;1/<sub>1/<sub> Sub&gt;1/<sub>2</sub> Sub&gt;1/<sub>2</sub></sub></sub></sub></sub></sub>
95	If v is the velocity of flow of liquid through a tube of area of cross-section A, then according to equation of continuity	A. v/A = constant B. A/v = constant C. Av = constant D. None
96	At high speed, fluid friction and fuel consumption,:	A. Increases, decreases B. Increases, increases C. Decreases, increases D. None of these
97	The terminal velocity of water droplet of radius $1 \times 10^{-4}$ m and desity 1000 kg m <sup>-3</sup> descending through air of viscosity 19 x 10 <sup>-6</sup> kg. m <sup>-1</sup> s <sup>-1</sup> is	A. 2.5 ms <sup>-1</sup> B. 3.2 ms <sup>-1</sup> C. 4.3 ms <sup>-1</sup> D. 1.1 ms <sup>-1</sup>
		A plactric flux

98	The mass of fluid passing through any cross-section per unit time is called	B. magnetic flux C. mass flux D. none of them
99	The equation of continuity $A_1V_1 = A_2V_2$ is for the flow of	A. an ideal fluid B. an incompressible fluid C. a non visconcous fluid D. all of the above
100	Which of the following has the greatest coefficient of viscosity?	A. water B. gasoline C. honey D. tar
101	When a fluid is in motion, its flow can be considered as	A. turbulent B. streamline C. either or them D. neither of them
102	Surface tension of water is reduced by adding	A. Detergents B. Camphor C. Plastic D. Both A and B
103	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
104	The body will move with terminal velocity when it acquires	A. minimum speed B. zero speed C. maximum speed D. none of them
105	Where the streamlines are very far apart from each other, the pressure will be	A. low B. zero C. high D. all of them
106	Drag force increases if speed of the object moving through the fluid:	A. Increases B. Decreases C. Remains constant D. None of these
107	Fluids resist force, This property is called	A. Stiffness B. Strength C. Ductility D. Elasticity
108	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
109	A massive object falls through a fluid:	A. Faster B. Slower C. Slowest D. None
110	The value for systolic blood pressure for a normal healthy person is	A. 140 torr B. 80 torr C. 90 torr D. 120 torr
111	Bernoulli's equation is applicable for	A. turbulent flow B. streamline flow C. both (a) and (b) D. all kinds of flows
112	If water rises 4 cm in a long, thin tube because of capillary action, then, under corresponding conditions of use, the rise (in the tube) of a liquid whose density is 2 $g/cm^2$ will be	A. 1 cm B. 2 cm C. 8 cm D. None
113	The internal pressure of the blood is	A. less than the external atmospheric pressure B. greater than the external atmospheric pressure C. equal to the external atmosphericpressure D. none of them
114	The instrument which detects the instant at which external pressure becomes equal to the systolic pressure is	A. stethoscope B. thermometer C. manometer D. barometer
	Fluid $\Delta$ is more viscous than fluid R. While flowing through a nine of the same dimensions	A. fluid B B. fluid A

115	and material which fluid takes longer to travel at 25°C?	C. both take the same time D. not possible to determine from given information
116	During the steady flow, different streamlines	A. cannot across each other B. can across each other C. either of them D. neither of them
117	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
118	The law of conservation of energy gives us	A. equation of continuity B. Bernoulli's theorem C. both of them D. none of them
119	Bernoulli's equation is based upon law of conversation	A. Mass B. Momentum C. Energy D. None of these
120	A tube tapers from 20 cm diameter to 2 cm, the velocity at first cross-section is 50 ms <sup>-1</sup> then velocity at second cross-section is	A. 5000 cms <sup>-1</sup> B. 500 cms <sup>-1</sup> C. 50 cms <sup>-1</sup> D. 0.5 cm/s
121	In deriving the Bernoulli's equation, we assume that the fluid is	A. incompressible B. no viscous C. flows in a steady manner D. all of them
122	Matter is made up of very tiny particles called	A. Atoms B. Molecules C. lons D. None of these
123	When the velocity of a liquid flowing steadily in a tube increases, its pressure?	A. Decreases B. Increases C. Remains same D. Zero
124	In a flow, each particle of the fluid is called a streamline and different streamlinescross each other.	A. Streamline, cannot B. Turbulent, cannot C. Streamline, can D. None of these
125	The irregular and unsteady flow of the fluid is called	A. turbulent flow B. steady flow C. either of them D. both of them
126	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
127	The unit of viscosity is SI system is:	A. Kg <sup>-1</sup> m sec <sup>-1</sup> B. Kgm <sup>-1</sup> sec <sup>-1</sup> C. Kg <sup>-1</sup> m <sup>-1</sup> sec D. None of these
128	An object moving through a fluid experiences a retarding force called a	A. frictional force B. terminal force C. opposing force D. drag force
129	Above a certain velocity of a fluid is called	A. turbulent flow B. steady flow C. either of them D. both of them
130	The terminal velocity of a small size spherical body of radius R moving in a fluid varies as	A. R B. R <sup>2</sup> C. 1/R D. (1/R) <sup>2</sup>
131	With the increase of temperature viscosity	A. Increase B. Decrease C. Remains same

		D. Doubles
132	Two copper balls of 1 cm and 2 cm in diameter are simultaneously dropped in the same viscous medium. The terminal velocity of bigger ball is:	A. Not affected due to its size B. Twice that of small size ball C. Four times that of small size ball D. 1/4th of that of small size ball
133	The force exerted by the fluid in a hydraulic pump on the piston is 10 cm $^2$ , the fluid pressure on the piston is, in N/cm $^2$	A. 20 B. 200 C. 2000 D. 20,000
134	Liquids and gasses have	A. zero viscosity B. non-zero viscosity C. very large viscosity D. very small viscosity
135	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
136	Unit of viscosity is:	A. Kg m <sup>-1</sup> sec <sup>-1</sup> B. N s m <sup>-2</sup> C. J s m <sup>-3</sup> D. All of these
137	The body passing a viscous medium affected by:	A. One force only B. Two forces only C. Four forces D. None of these
138	A person standing near the track of a fast moving train has tendency to fall towards it because of	A. Vibration due to motion of train B. Gravitation force of attraction between person and trains C. The high speed of train D. Some other effect
139	According to Stoke's law, drag force depends on	A. Initial velocity     B. Final velocity     C. Terminal velocity     D. Instantaneous velocity
140	The value of viscosity of a fluid is dependent on (at constant temperature)	A. the fluid itself B. the fluid and its container C. anything in contact with the fluid D. all of the above
141	The viscous the medium is, is the value of terminal velocity of the droplet:	A. More, lesser B. Lesser, more C. Both A and B D. Lesser, lesser
142	A flowing liquid possess	A. K.E B. P.E C. Pressure Energy D. All
143	A container has a small hole in the bottom. Air can go through this hole, but water cannot. This can be best explained by the statement that	A. water contains hydrogen atoms, air does not B. water molecules are smaller than molecules in the air C. water molecules are smaller than molecules in the air D. surface tension of the water prevents it from
144	If every particle of the flow that passes a particular point, moves along the same path as followed by particles which passed the point earlier, then this flow is said to be	A. turbulent B. streamline C. abrupt D. none of them
145	The smooth or steady streamline flow is known as	A. laminar flow B. turbulent flow C. both of them D. none of them
146	According to slok's law, drag force depends on	A. Radius of the spherical body B. Terminal velocity of body C. Coefficient of viscosity D. All of above
147	When each particle of the fluid moves along a smoth path, this path is known as	A. straight path B. smooth path C. haphazard path D. steamline

148	In a normal healthy person the value of diastolic pressure is	B. 100 torr C. 120 torr D. none of them
149	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
150	In case of streamed lined flow of liquid, the loss of energy is	A. Maximum B. Minimum C. Infinite D. equal to what is in turbulent flow
151	How much force is required to slide one layer of the liquid over the other layer is measured by	A. friction B. density C. viscosity D. resistivity
152	The term Brownian movement refers to	A. irregular motions of small particles suspended in a fluid B. convection currents in a liquid or gas C. convection currents in a gas but not in a liquid D. the stretching of a body beyond its elastic limit
153	When a water droplet falling freely through air, the drag force on water droplet increases with th	A. decrease in speed B. increase in speed C. pressure D. none of them
154	Blood has a density	A. Equal to water B. Greater then water C. Lesser then water D. None of these