

## 1st Year Fsc Physics Online Test

Sr	Questions	Answers Choice
1	The resultant of two vectors having magnitude 12 N and 8 N can not be	A. 2 N B. 20 N C. 10 N D. 16 N
2	The resultant of two forces 30 N and 40 N acting parallel to each other is.	A. 30 N B. 40 N C. 70 N D. 10 N
3	The direction of vector in space is specified by	A. 1- angle B. 2- angle C. 3- angle D. 4 - angle
4	Name the quantity which is a vector.	A. Speed B. Force C. Temperature D. Density
5	What would encourage trade between two countries	A. Different tax system B. Frontier checks C. National currencies D. reduced tariffs
6	The energy processes, we use are	A. Efficient B. Not efficient C. Reversible D. None of these
7	The efficiency of any heat engine can never be	A. +ve B. 100% C. -ve D. None of these
8	The unit o pressure of gas is	A. $\text{Nm}^{-2}$ B. Pascal C. Atmosphere D. All of these
9	Which of following is irreversible process	A. Slow compression of an elastic spring B. Slow evaporation of substances in isolated vessel C. Slow expansion of a gas D. A chemical explosion E.  
10	First law of thermodynamics can be defined by the equation	
11	The molecules of an ideal gas exert	A. Force on each other B. No force on each other C. Large force on each other D. Pressure on each other
12	The kinetic energy of molecules of an ideal gas at absolute zero is	A. Very low B. Very high C. Zero D. First increases then decreases
13	Pressure 'P' of a gas is defined as	A. F/A B. FA C. F/V D. F/D
14	The temperature of human body on Kelvin scale is	A. 210K B. 310K C. 410K D. 510K
15	Mercury is used as a thermometric substance because	A. It is opaque B. Does not stick to glass C. Has low specific heat D. All of these

16	The collision between the gas molecules is	<div>A. Elastic</div> <div>B. Inelastic</div> <div>C. Both a and b</div> <div>D. None of these</div>
17	The motion of gas molecules is	<div>A. In the same direction</div> <div>B. Random</div> <div>C. Walls of container</div> <div>D. Opposite to each other</div>