

Physics ECAT Pre Engineering MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Drag force increases if speed of the object moving through the fluid:	<p>A. Increases</p> <p>B. Decreases</p> <p>C. Remains constant</p> <p>D. None of these</p>
2	If a liquid is heated in weightlessness, the heat is transmitted through	<p>A. Conduction</p> <p>B. Convection</p> <p>C. Radiation</p> <p>D. Neither, because the liquid cannot be heated in weightlessness</p>
3	For a given angle of projection, if the time of flight of a projectile is doubled, the horizontal range will increase to	<p>A. Four times</p> <p>B. Thrice</p> <p>C. Once</p> <p>D. Twice</p>
4	Stars twinkle due to	<p>A. The fact that they do not emit light continuously</p> <p>B. The refractive index of earth's atmosphere fluctuates</p> <p>C. The Star's atmosphere absorbs its light intermittently</p> <p>D. None of these</p>
5	According to the second law, which is most likely to produce work	<p>A. a source contains a large amount of heat energy</p> <p>B. two sources at the same temperature</p> <p>C. two sources at the different temperatures</p> <p>D. a source contains a small amount of energy</p>
6	Dimensions of velocity are	<p>A. [L]</p> <p>B. [T]</p> <p>C. $[L^{<sup>-1</sup>}]$</p> <p>D. $[L^{<sup>-2</sup>}]$</p>
7	The current is measured in	<p>A. volts</p> <p>B. watt</p> <p>C. ampere</p> <p>D. ohm</p>
8	If two bulbs one of 60 W and other of 100 W are connected in parallel, then which one of the following will glow more?	<p>A. 60 W bulb</p> <p>B. 100 W bulb</p> <p>C. Both equally</p> <p>D. None of these</p>
9	During the projectile motion, the horizontal component of velocity	<p>A. changes with time</p> <p>B. remains constant</p> <p>C. becomes zero</p> <p>D. decreases with time</p>
10	The artillery shells travel along parabolic paths under the influence of	<p>A. magnetic field</p> <p>B. electric field</p> <p>C. electromagnetic field</p> <p>D. gravitational field</p>
11	the dilation of time applies to the timing processes which are:	<p>A. Physical</p> <p>B. Chemical</p> <p>C. Biological</p> <p>D. All of these</p> <p>E. None of these</p>
12	Scalar product is also called:	<p>A. Cross product</p> <p>B. Dot product</p> <p>C. Product scalar</p> <p>D. Product vector</p>
13	An electric charge at rest is	<p>A. Only an electric field</p> <p>B. Only a magnetic field</p> <p>C. Both electric and magnetic fields</p> <p>D. None of the above</p>
		<p>A. Magnus effect</p>

14	Deep water almost runs still when surface water flow in rivers. What does it explains	B. Equation of continuity C. Surface energy D. Bernoulli's equation
15	In a normal healthy person the value of systolic pressure is	A. 75 torr B. 80 torr C. 120 torr D. all of them
16	A mass of 5kg moves with an acceleration of 10m s^{-2} force applied is	A. 10 N B. 50 N C. 2 N D. 20 N
17	If we connect a A.C. volt meter to read A.C. voltage, It would read its:	A. RMS value B. Instantaneous value C. Valued average over a cycle D. Zero E. Both (B) and (C)
18	The irregular and unsteady flow of the fluid is called	A. turbulent flow B. steady flow C. either of them D. both of them
19	The ratio of linear stress/linear strain is called as	A. Yong's modulus B. Bulk modulus C. Shear modulus D. Modulus
20	The positron was discovered by:	A. In cosmic radiation B. In 1932 C. By Carl Anderson D. All above E. By direc