

ECAT Pre General Science MCQ's Test For Physics Full Book

Sr	Questions	Answers Choice
1	The velocity gained by the fluid in falling through the distance ($h_1 - h_2$) under the action of gravity is equal to the speed of the action of gravity is equal to the speed of the	A. orifices B. efflux C. fluid D. none of them
2	Polymeric solids have	A. low specific gravity B. high specific gravity C. either of them D. none of them
3	A body of weight 1 N has a kinetic energy of 1 joule when its speed is:	A. 1.46 m sec^{-1} B. 2.44 m sec^{-1} C. 3.42 m sec^{-1} D. 4.43 m sec^{-1}
4	Huygen's principles states that:	A. Light has dual nature B. Either of these C. None of these D. Light travels in straight line
5	Which branch of physics deals with the structure and properties of solids	A. Atomic Physics B. Plasma Physics C. Molecular Physics D. Solid state physics
6	The density of blood is nearly equal to that of	A. mercury B. sodium C. water D. honey
7	Which of the following can become a good permanent magnet	A. iron B. steel C. both of them D. none of them
8	Energy is not carried by	A. Transverse progressive waves B. Longitudinal vibration C. Stationary waves D. Electromagnetic
9	Tick the one which is not a crystalline solid:	A. Zirconia B. Glass C. Copper D. Ceramic solid E. An ionic compound
10	Within each domain, the magnetic field of all the spinning electrons are	A. parallel B. antiparallel C. perpendicular D. all of them
11	Maximum work is done when force and displacement are	A. Parallel B. Antiparallel C. Perpendicular D. Both a and b
12	Linear momentum is a	A. fixed quantity B. constant quantity C. scalar quantity D. vector quantity
13	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
14	The current in LCR circuit will be maximum when ω is	A. As large as possible B. Equal to natural frequency of LCR system
15	Density of oxygen is about 16 times that of hydrogen therefore if speed of hydrogen is x , then speed of oxygen.	A. Greater than x B. The same C. Less than x D. Depending upon the pressure of

gases

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- 16 The $R_1 = \infty$ and $R_2 = 0$, then the gain of non-inverting amplifier is
- A. zero
 - B. infinity
 - C. one
 - D. any one of these
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- 17 During the upward motion of the projectile, the vertical component of velocity:
- A. Decreases
 - B. Increases
 - C. Remains constant
 - D. None of these
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- 18 Consider two spheres A and B of radii r_a and r_b both concentric with point charge Q , if $r_a > r_b$ then the total flux passing normally through the sphere A and B is related as
- A. Flux through A is greater
 - B. Flux through both sphere is equal
 - C. Flux through a may be greater or less than Q depending on radius
 - D. Flux through sphere B is greater
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- 19 The amount of energy equivalent to 1 a.m.u is
- A. 9.315 Mev
 - B. 93.15 Mev
 - C. 931.5 Mev
 - D. 2.22 Mev
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- 20 The change of magnetic flux through a circuit will produce
- A. Magnetic Field
 - B. Electric Field
 - C. emf
 - D. a.c
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