

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

Sr	Questions	Answers Choice
1	To make an LED, it is impracticable to use:	A. Silicon B. Gallium arsenide C. Gallium arsenide phosphide D. Iron E. Both (B) and (C)
2	Current varies with voltage	A. Inversely B. as square root C. Directly D. None of these
3	The photoelectric effect, the maximum energy of photoelectrons depends on the	A. particular metal surface B. frequency of incident light C. both of them D. none of them
4	The time required for a radioactive material to decrease in active by one half is called	A. half time B. half life C. disintegration time D. mean life
5	A grating with high resolving power can distinguish _____ difference in wavelengths :	A. Larger B. Zero C. None of these D. Smaller
6	When a source of light is at very large distance, the shape of wavefront is:	A. Spherical B. Cylindrical C. Plane D. None of these
7	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
8	Referring to above figure, current in the coil P grows from zero to its maximum value	A. At the instant the switch is closed B. At the instant the switch is opened C. When switch is kept open D. All of above E. Neither of above
9	A laborer carrying a load on his head moves from the rest on a horizontal road to another point where he comes to rest. He has done:	A. Minimum Work B. Maximum Work C. Zero Work D. Negative Work
10	Amount of heat required to raise the temperature of a body through 1 K is called its	A. Specific heat B. Water equivalent C. Thermal capacity D. Entropy
11	In which of the following diodes when an electron combines with a hole during the forward biasing, photon of visible light is emitted.	A. photo diode B. light emitting diode C. photo voltaic cell D. all of them
12	Conventionally the angular velocity is directed to an angle of:	A. $90^\circ$ to the axis of rotation B. $30^\circ$ to the axis of rotation C. $45^\circ$ to the axis of rotation D. $60^\circ$ to the axis of rotation

		<p>C. 0<sup>o</sup> to the axis of rotation</p> <p>D. None of the above</p>
13	Conventional the angular Velocity is Directed at an angle of:	<p>A. 90<sup>o</sup> to the axis of rotation</p> <p>B. 30<sup>o</sup> to the axis of rotation</p> <p>C. 0<sup>o</sup> to the axis of rotation</p> <p>D. None of above</p>
14	The time rate of change of displacement is called:	<p>A. Time</p> <p>B. Acceleration</p> <p>C. Speed</p> <p>D. Velocity</p>
15	Longitudinal waves are also called:	<p>A. Congressional waves</p> <p>B. Transverse waves</p> <p>C. Radio waves</p> <p>D. None of them</p>
16	The only significant motion possessed by the mono-atomic gas represented is:	<p>A. Translatory</p> <p>B. Rotatory</p> <p>C. Vibratory</p> <p>D. None of these</p>
17	Example of progressive wave is	<p>A. transverse waves</p> <p>B. longitudinal waves</p> <p>C. both of them</p> <p>D. none of them</p>
18	The electrode connected with the positive terminal of the current source is called	<p>A. cathode</p> <p>B. anode</p> <p>C. electrolyte</p> <p>D. position</p>
19	Transmitting antenna emits	<p>A. Magnetic waves</p> <p>B. Electric waves</p> <p>C. Electromagnetic waves</p> <p>D. Sound waves</p>
20	A ball is dropped from a certain height and another ball is projected horizontally from the same point. Which of the following statement is correct?	<p>A. Both hit the ground at the same velocity</p> <p>B. Both hit the ground at the same speed</p> <p>C. The change of velocity during the path for both balls is the same</p> <p>D. The change of speed during the path for both balls is the same</p>