

## Physics ECAT Pre Engineering MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	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
2	Electrons of an isolated atom are bound to the nucleus, and	A. can only have distinct energy level B. can only have same energy level C. may or may not have distinct energy levels D. none of these
3	One radian is:	A. Greater than one degree B. Less than one degree C. Equal to one degree D. None of them
4	If the velocity time graph is a straight line parallel to the time-axis, then it means:	A. The body is moving with uniform velocity B. The body is moving with uniform acceleration C. The body is at rest D. None of these
5	The special theory of relativity is based on the	A. one postulate B. two postulates C. three postulates D. four postulates
6	(CRO) Cathode ray oscilloscope is a device used for high speed	A. velocity B. graph plotting C. time-velocity D. none of these
7	If work is done at the rate of 2 k j per second, then total work done is half an hour will be:	A. 0.5 Kwn B. 2 Kwh C. 1 Kwh D. None of these
8	In AND gate, the output is 1 if:	A. Both inputs are 0 B. Both inputs are 1 C. Only one input is 0 D. Both (A) and (B) E. Both (A) and (C)
9	Which of the following is not a projectile	A. a bullet fired from a gun B. a space ship C. a football in air D. an artillery shell
10	Wave disturbances may also come in a concentrated bundle, like shock wave from an aeroplane flying at	A. subsonic speed B. sonic speed C. super sonic speed D. any one of them
11	X-rays produced in a tube operating at 10 <sup>5</sup> V. The speed of X-rays produced is	A. 3 x 10 <sup>8</sup> m/s B. 3.1 x 10 <sup>8</sup> m/s C. 2.8 x 10 <sup>8</sup> m/s D. 1.88 x 10 <sup>8</sup> m/s
		A. <span style='font-size:12.0pt; line-height:107%; font-family:" Times New Roman", " serif"'>Connected to a laser source&lt;0:p&gt;</span> B. <span style='font-size:12.0pt; line-height:107%; font-family:" Times New Roman", " serif"'>Connected to a voltage source&lt;0:p&gt;</span> C. <span style='font-size:12.0pt; line-height:107%; font-family: " Times New Roman" " serif" '>Connected to a voltage source&lt;0:p&gt;</span> C.

		<pre> D. <span style='font-size:12.0pt; line-height:107%;font-family:"Times New Roman","serif"'>At different values of potential<o:p></o:p> </span> E. <span style='font-size: 12pt; line-height: 107%; font-family: "Times New Roman", serif;'>Both (B) and (D) <b><o:p></o:p></b></span></pre>
13	The material in the form of wire or rod or plate which leads the current into or cut of the electrolyte is known as	A. voltmeters B. resistance C. electrode D. current
14	Which of the following can become a good temporarily magnet	A. iron B. steel C. both of them D. none of them
15	If the amplitude of sound is doubled and the frequency reduced to one-fourth, the intensity of sound at the same point will be	A. Increasing by a factor of 2 B. Decreasing by a factor of 2 C. Decreasing by a factor of 4 D. Unchanged
16	Electric field strength is defined as	A. Work done on unit charge B. Force exerted on unit charge C. Distance covered by unit charge D. Power exerted by unit charge E. None of these
17	When the bob of simple pendulum is at mean position, its K.E will be	A. maximum B. minimum C. zero D. all of them
18	Nuclei that have the same charge number but different mass number are called	A. isotones B. isomers C. isotopes D. isobars
19	Amplitude in SHM is equivalent to in circular motion	A. Diameter B. Radius C. Circumference D. None of these
20	Nucleon means:	A. Only electrons B. Only neutrons C. Only protons D. Both (A) and (C) E. Both (B) and (C)