

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

| Sr | Questions   | Answers Choice  |
|----|---|---|
| 1  | Huygen's principles states that:  | A. Light has dual nature<br>B. Either of these<br>C. <b>None of these</b><br>D. Light travels in straight line  |
| 2  | Substances which break just after the elastic limit is reached, are known as  | A. brittle substances<br>B. ductile substances<br>C. plastic substances<br>D. elastic substances  |
| 3  | Electromagnetic waves emitted by hot bodies are called:   | A. Photoelectrons<br>B. Alpha rays<br>C. <b>Thermal radiation</b><br>D. None of these   |
| 4  | An object thrown upward with an initial velocity at certain angle with the horizontal and moving freely under the action of gravity is called | A. a rocket<br>B. an aeroplane<br>C. <b>a projectile</b><br>D. a ballon   |
| 5  | Selenium is:  | A. An insulator<br>B. A conductor<br>C. <b>Both A and B</b><br>D. Excellent conductor<br>E. None of these   |
| 6  | The peak value of alternating voltage is given by   |   |
| 7  | Ferromagnetic substances lose their magnetism when heated above a certain temperature, known as   | A. critical temperature<br>B. <b>curie temperature</b><br>C. high temperature<br>D. fixed temperature   |
| 8  | The curie temperature of iron is about  | A. 250 <span style="color: #84, 84, 84;">; font-family: arial, sans-serif; font-size: small;"&gt;°C</span><br>B. 500 <span style="color: #84, 84, 84;">; font-family: arial, sans-serif; font-size: small;"&gt;°C</span><br>C. 750 <span style="color: #84, 84, 84;">; font-family: arial, sans-serif; font-size: small;"&gt;°C</span><br>D. 1000 <span style="color: #84, 84, 84;">; font-family: arial, sans-serif; font-size: small;"&gt;°C</span> |
| 9  | A sinusoidally alternating voltage or current can be graphically represented by a:  | A. Vector<br>B. Rotating vector<br>C. Clockwise vector<br>D. <b>Anticlockwise voltage vector</b><br>E. None of these  |
| 10 | Above a certain velocity of a fluid is called   | A. turbulent flow<br>B. steady flow<br>C. either of them<br>D. <b>both of them</b>  |
| 11 | When a dielectric material is introduced between the plates of a charged condenser the electric field between the plates                      | A. <b>Decreases</b><br>B. Increases<br>C. No change<br>D. May increase or decrease  |
| 12 | The study of physics involves?  | A. Structure of space and time<br>B. Interaction of electromagnetic radiation with matter<br>C. <b>Both of them</b><br><br>D. Chemical changes<br>E. None of them   |
| 13 | Majority charge carriers in the p-region of p-n junction are:   | A. electrons<br>B. positrons<br>C. <b>Holes</b><br>D. Neutrons<br>E. None of these  |

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| 14 | Change in momentum is one second called.  | A. Impulse<br>B. Force<br>C. Energy<br>D. Work  |
| 15 | An inertial frame is that frame in which  | A. $a > 0$<br>B. $a = 0$<br>C. $a < 0$<br>D. none of these  |
| 16 | Significant figures in 0.0010 are   | A. Four<br>B. Three<br>C. Two<br>D. One   |
| 17 | Bernoulli's equation is applicable for  | A. turbulent flow<br>B. streamline flow<br>C. both (a) and (b)<br>D. all kinds of flows             |
| 18 | The pattern of NaCl particles have a shape which is :   | A. Cubic<br>B. Body centred cubic<br>C. Simple cubic<br>D. face centred<br>E. Both (A) and (C)      |
| 19 | When a body is moving with uniform positive acceleration, the velocity- time graph is a straight line. Its slope is | A. zero<br>B. negative<br>C. positive<br>D. non-existing  |
| 20 | The arrangement of molecules or atoms in a crystalline solid can be studied by using:                               | A. Chemical methods<br>B. Neutrons<br>C. X-ray techniques<br>D. Copper atoms<br>E. Both (A) and (B) |

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