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

| Sr | Questions | Answers Choice |
|---|---|---|
| 1 | Which one is the least multiple | A. Pico<br>B. Femto<br>C. Nano<br>D. Atto |
| 2 | The nucleus/nuclei of hydrogen is/are: | A. Proton<br>B. Deuteron<br>C. Triton<br>D. All of these<br>E. None of these |
| 3 | A particle moving uniformly along circle its projection along diameter performs | A. Linear motion<br>B. Projectile motion<br>C. SHM<br>D. Rotatory motion |
| 4 | If a mass of 10 gm is suspended from a spring of k = 9.8 $Nm^{-1}$, then the extension will be: | A. 1 cm<br>B. 1 m<br>C. 10 mm<br>D. None of these |
| 5 | Work is product of: | A. Force and velocity<br>B. Heat and energy<br>C. Force and displacement<br>D. None of these |
| 6 | Light year is a unit of: | A. Time<br>B. Distance<br>C. Velocity<br>D. Intensity of light |
| 7 | The entity which measures the quantity of motion in a body is called | A. force<br>B. energy<br>C. momentum<br>D. power |
| 8 | Force is a: | A. Scalar quantity<br>B. Base quantity<br>C. Derived quantity<br>D. None of these |
| 9 | When the different streamlines cannot cross each other, then this condition is known as | A. continuity condition<br>B. turbulent flow condition<br>C. steady flow condition<br>D. none of them |
| 10 | When an oscillatory motion repeats itself, then this type of motion is called | A. vibratory motion<br>B. constant motion<br>C. fixed motion<br>D. periodic motion |
| 11 | Which one the following gives three regions of electromagnetic spectrum in order of increasing wavelength? | A. Gamma rays, micro waves, visible light<br>B. Radio waves, ultraviolet waves, X-rays<br>C. Ultraviolet rays, infrared rays, micro waves<br>D. Visible light, gamma rays, radio waves |
| 12 | Ethanol (alcohol) is a type of: | A. Electric fuel<br>B. Bio fuel<br>C. Nuclear fuel<br>D. None of these |
| 13 | To observe interference of light, the condition, which must be met with is that the sources must be: | A. Monochromatic<br>B. Phase coherent<br>C. Both of above<br>D. None of above |
| 14 | Gas constant per molecule is called: | A. Universal gas constant<br>B. Stefen's constant<br>C. Boltzmann constant<br>D. Gravitation constant |
| 15 | The information from far side of the universal are gathered by: | A. Radio telescope<br>B. Microscope<br>C. Telescope |

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| | | D. Spectro scpe |
| 16 | Work is a: | A. Scalar quantity<br>B. Vector quantity<br>C. Base quantity<br>D. None of these |
| 17 | In an inelastic collision between two bodies, following is reserved. | A. Energy<br>B. Both A and B<br>C. Momentum<br>D. None |
| 18 | Improper biasing of a transistor circuit produces | A. Heavy loading of emitter current<br>B. Distortion in the output signal<br>C. Excessive heat at collector terminal<br>D. Faulty location of load line |
| 19 | The total energy of spring mass system is | A. zero<br>B. changing with time<br>C. constant<br>D. none of them |
| 20 | When two spherical conducting balls at different potentials are joined by metallic wire, the current starts: | A. Decreasing from zero to maximum<o:p></o:p> <br>B. Increasing from zero to maximum<o:p></o:p> <br>C. Decreasing from maximum to zero<o:p></o:p> <br>D. Increasing from maximum to zero<o:p></o:p> <br>E. Both (A) and (D) <o:p></o:p> |