

Physics ECAT Pre Engineering MCQ's Test For Full Book

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| Sr | Questions | Answers Choice |
| 1 | Tick the series which lies in the visible region: | A. Lyman series B. Balmer series C. Paschen series D. Brackett series E. P fund series |
| 2 | Which of the following is not mechanical wave? | A. Sound wave B. Light wave C. <div>wave produced in spring</div> D. None of them |
| 3 | If a liquid is heated in weightlessness, the heat is transmitted through | A. Conduction B. Convection C. Radiation D. Neither, because the liquid cannot be heated in weightlessness |
| 4 | According to the special theory of relativity, a moving clock | A. runs faster B. runs slower C. neither runs faster nor slower D. all of these |
| 5 | A point on the rim of a wheel moves 0.2 m when the wheel turns through an angle of 14.3 degrees. The radius of the wheel is: | A. 0.05 m B. 0.08 m C. 0.8 m D. 0.008 m |
| 6 | One electron volt is equal to | A. 1.6 x 1019eV B. 6.25 x 1018 eV C. 1.6 x 1018 eV D. 6.25 x 1019eV |
| 7 | Blood pressure is measured in torr. Which of the following units could belong to torr? | A. N m ⁻¹ B. N m ⁻² C. N m D. N ⁻¹ m ⁻² |
| 8 | Particles have the mass smallest of following is: | A. Electron B. Proton C. Neutron D. Quark |
| 9 | If the flow is incompressible and the flow is steady then the mass of the fluid through the pipe | A. increases B. decreases C. becomes zero D. is conserved |
| 10 | The work done on the system by the environment is considered as | A. positive B. negative C. zero D. any one of them |
| 11 | Electromagnetic waves transport: | A. Energy only B. Momentum only C. Both A and B are correct D. None of is correct |
| 12 | The velocity given to a body to go out of the influence of earth's gravity is known as: | A. Terminal velocity B. Orbital velocity C. Escape velocity D. None of these |
| 13 | Electromagnetic waves transport | A. Energy only B. Momentum only C. Both A and B |
| 14 | A solar cell converts energy of the Sun into: | D. None is correct A. Heat energy B. Magnetic energy C. Light energy D. Sound energy |
| | | A. Velocity |

| 15 | The short distance between two points direction from its initial point to final point is called: | B. Displacement C. Speed D. Distance |
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| 16 | AC voltage is passed through single diode rectifier, the output of the bridge rectifier is. | A. Full wave DC voltage B. Double frequency AC Voltage C. Half wave DC voltage D. None |
| 17 | The electric field intensity at a point due to a point charge | A. Falls off inversely as the distance B. Falls off inversely as the square of distance C. Remains unchanged with distance D. Increase directly as square of distance |
| 18 | When body moves with increasing acceleration, its velocity time graph is a | A. straight line B. horizontal straight line C. vertical straight line D. curve |
| 19 | The mechanics, which deals with the objects moving with velocities approaching that of light is called: | A. Relativistic mechanics B. Wave mechanic C. Quantum mechanics D. Statics |
| 20 | For a parallel resonant circuit at resonance, current from supply is | A. minimum B. maximum C. zero D. none of these |