

PPSC Physics Mcq's For Full Book

| Sr | Questions | Answers Choice |
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| 1 | The wave form of SHM is a | A. Sine wave B. Cosine wave C. Square wave D. Electromagnetic wave |
| 2 | Charge carriers in thermocouples are. | A. Anions B. Cations C. Electrons D. Protons |
| 3 | Kinetic and potential energies are | A. Not inter convertible B. Inter convertible C. Two forms of torque D. Not related with each other |
| 4 | Torque is equal to. | A. The product of magnitude of force and acceleration B. The product of magnitude of force and momentum C. The product of magnitude of force and displacement D. The product of magnitude of force and angular velocity |
| 5 | LASER is a device which can produce | A. Monochromatic beam of light B. Coherent beam of light C. An intense beam of lgiht D. All of these |
| 6 | Two charged spheres are separated by 2 mm Which of the following would produce the greatest attractive force. | A. +1 q and + 4 q B1 q and -4 q C. +2 q and +2 q D. +2 q and -2q |
| 7 | Fringe spacing in double slit experiment can be increased by decreasing. | A. Wavelength of light B. Width of slits C. Slite separation D. Distance between the slits and screen |
| 8 | An image formed on the film of camera is | A. Real , inverted and diminshed B. Virtual, inverted and diminshed C. Real upright and diminished D. Virtual, upright and idminshed |
| 9 | The converse of pair production is | A. Annihilation of matter B. Materialization C. Compton effect D. Photo electric effect |
| 10 | A complete amplifier circuit made on a silicon chip and enclosed in a small capsule is | A. Inductor B. Metal detector C. Diode D. Operational amplifier |
| 11 | When two waves travelling through the same medium arrive at the same point 180 $^{\rm o}$ out of phase, they give rise to. | A. Polarization B. Destructive interference C. Refraction D. Constructive interference |
| 12 | Who first studied the visible region of hydrogen spectrum. | A. Lyman B. Pfund C. Balmer D. Brackett |
| 13 | The locus of all points in a medium having the same phase of vibration is called. | A. Creast B. trough C. Wavelength D. Wave front |
| 14 | Cobalt -60 is a radioactive element with half life of 5.25 years. What fraction of the original sample will be left after 26 years. | A. 1/4 B. 1/8 C. 1/16 D. 1/32 |

| 15 | A wave source of frequency 1000 Hz emits waves of wavelength 0.1 m How long does is take for the waves to travel 2500 m. | A. 20 s B. 25 s C. 40 s D. 100 s |
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| 16 | If we double both the current and the voltage in circuit while keeping its resistance constant the power. | A. Remains unchanged B. Halves C. Doubles D. quadruples |
| 17 | A dry battery can deliver 3,000 J energy to a small 2 W electric motor before the battery is exhausted for how minutes does the motor run. | A. 20 minutes B. 25 minutes C. 75 minutes D. 125 minutes |
| 18 | The chain reaction is controlled by a series of rods usually made of. | A. uranium B. Cadimium C. Boron D. Steel |
| 19 | When a wire moves perpendicularly to a magnetic field, the induced emf does ot depends upon | A. The velocity of the wire B. The resistance of the wire C. The flux density of the magnetic D. The orientation of the wire field |
| 20 | A gama ray of energy 1900 MeV is absorbed by | A. Proton antiproton pair B. Electron positron pair C. Producing heat in the substanc D. The orbit |