

PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	The critical mass of a fissionable material is.	A. 1 kg B. 10 kg C. 100 kg D. 1.,000 kg
2	For which of the following objects is the centre of mass equidistant from every point on its surface	A. An unsharpened pencil B. A gramophone record C. An egg D. A table tennis ball
3	A charge kept at the centre of a shell The shell has charge Q and radius R The force on the central charge due to shell is	A. in the upward direction B. Towards left C. Towards right D. Zero
4	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
5	The point of which an applied force produces a linear acceleration but no rotation is called.	A. Centre of the body B. Centre of the mass C. Centre of gravity D. Weight of the body
6	By placing soft iron inside a coil	A. Increases the magnetic flux B. Decreases the magnetic flux C. Creates no change in magnetic flux D. Decreases the diameter of the core
7	A D.C Motor converts	A. Mechanical energy into electrical energy B. Mechanical energy into chemical energy C. Electrical energy into mechanical energy D. Electrical energy into chemical energy
8	Alpha particles are	A. Helium nuclei B. sodium nuclei C. loized nuclei D. Hydrogen nuclei
9	On which factor the self induction does not depends upon.	A. Number of turns of the coil B. the core material C. Weight of the coil D. Area of the cross section of the coil
10	Since selenium becomes conductor in light so it is.	A. Photoconductor B. Photocell C. Thermistor D. Photodiode
11	When a newton's right interference pattern a viewd from above by means of reflected light , the central spot is	A. Multicoloured B. Alternately white and black C. Bright D. Dark
12	Which of the following is an example of an irreversible process.	A. Isothermal and adiabatic process B. Melting of ice C. Work done against friction D. Pettier effect
13	What is the overall gain, if three amplifiers each with a gain of 30 are cacaded.	A. 30 B. 90 C. 270 D. 27,000
14	Sound of frequencies lower than 20 Hz are called.	A. Supersonics B. Infra sonics C. Ultrasonic

D. Audible sound waves

15	Induced current in a circuit depends upon	<p>A. The speed with which the conductor moves in the magnetic field</p> <p>B. Resistance of the loop</p> <p>C. Direction of the loop</p> <p>D. Shape of the loop</p>
16	Thermocouple is used for	<p>A. Converting atomic energy into heat energy</p> <p>B. Measure the radiant energy</p> <p>C. Storing the heat energy</p> <p>D. Measuring current</p>
17	Light year is a unit of	<p>A. Light</p> <p>B. Velocity</p> <p>C. Time</p> <p>D. Distance</p>
18	What is term for tendency of a system to oscillate with larger amplitude at some frequencies than at others.	<p>A. Resonance</p> <p>B. Impedance</p> <p>C. Inductance</p> <p>D. Capacitance</p>
19	What is the mean free path in a gas.	<p>A. The distance travelled by a molecule before hitting a wall</p> <p>B. the average distance travelled by a molecule in one second</p> <p>C. the average distance travelled by molecules in one second</p> <p>D. The root mean square velocity</p>
20	A body is in a static equilibrium, only when it is	<p>A. Moving with uniform velocity</p> <p>B. Moving with variable velocity</p> <p>C. Moving with uniform acceleration</p> <p>D. at rest</p>