

## PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	On which characteristics the loudness of sound depends upon.	A. Pitch B. Speed C. Wavelength D. Amplitude
2	If a gas does 10 J of external work while expanding then the change in internal energy is equal to.	A. 0 J B. 10 J C. -10 J D. 100 J
3	Which analysis is employed to convert a complex sound into notes.	A. Fourier theorem B. Millman theorem C. Lissajous theorem D. Demorgan's law
4	Transistors are made from	A. Plastics B. Metals C. Insulators D. Doped semiconductors
5	A CE amplifier with bypassed emitter resistor is an example of.	A. Current series feedback B. Voltage series feedback C. Current shunt feedback D. Voltage shunt feedback
6	Which of the following devices can be used to produce both transverse and longitudinal waves.	A. A string B. A ripple tank C. a helical spring D. A tuning fork
7	Who designed the atomic reactor.	A. Wilson B. Rutherford C. Teller D. Fermi
8	The SI unit of radioactivity is.	A. Becquerel B. Curie C. Joule D. Rutherford
9	Negative feedback	A. Increases stability B. Decreases stability C. Produces oscillatory D. Cannot occur
10	An operational amplifier has how many input terminals.	A. One B. Two C. Three D. Four
11	A pair of point charges with equal magnitude and opposite sign separated by a distance 'r' produce.	A. Electric dipole B. Electric charge C. Electric field D. Electric arc
12	A charged particle moving in a magnetic field experiences a resultant force.	A. Proportional to its K.E. B. In the direction of the field C. In the direction opposite to its motion D. In the direction perpendicular to both the field and its motion
13	An oscillator is basically an amplifier with loop gain	A. Zero B. Less than unity C. More than unity D. Infinity
14	The half-life of isotope X is four days and its initial mass is 32 mg. What mass of the isotope X will remain after twelve days.	A. 2 mg B. 4 mg C. 8 mg D. 18 mg
15	The magnetic flux density at the centre of a long solenoid is dependent on	A. The number of turns per unit length of the solenoid B. The volume of the solenoid

15	The magnetic flux density at the centre of a long solenoid is dependent on:	<p>C. The diameter of each turn of the solenoid</p> <p>D. All of above</p>
16	In case of a convex lens when object is placed at 2F image is formed.	<p>A. At</p> <p>B. 2F</p> <p>C. away from 2F</p> <p>D. Between F and 2 F</p>
17	When a ray of light enters a glass slab from air	<p>A. Its frequency increases</p> <p>B. Its wavelength increases</p> <p>C. Neither frequency nor wavelength change</p> <p>D. Its wavelength decreases</p>
18	The phenomenon in which a changing current in one coil induces an emf in another coil is called.	<p>A. Induced current</p> <p>B. Induced emf</p> <p>C. Self induction</p> <p>D. Mutual induction</p>
19	The spacing between fringes in a Young's double slit pattern will be increased, if we decrease the	<p>A. Wavelength of the source light</p> <p>B. Distance from slit to screen</p> <p>C. Width of the slits</p> <p>D. Separation of the slits</p>
20	Which of the following is the best container for gas during adiabatic process.	<p>A. Copper vessel</p> <p>B. Thermos flask</p> <p>C. Glass container</p> <p>D. Wooden container</p>