

## PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	Ohm's law is applicable to	A. Ohmic and non ohmic devices only B. Semiconductors only C. Metals only D. Insulators only
2	In a vacuum flask the vacuum prevents heat transfer by	A. Radiation only B. Conduction only C. Convection only D. Conduction and convection
3	Which are different types of emission spectrum	A. Continues spectrum B. Line spectrum C. Band spectrum D. all of the above
4	A factory buy 100 g of a radioactive chemical with a half life of 5 years which decays to a stable compound How much of the chemical will still be radioactive 10 years time.	A. 25 g B. 50 g C. 75 g D. 100 g
5	X-rays are	A. Longitudinal wave B. Transvers waves C. Secondary waves D. Fast sound waves
6	The device in the circuit that consume electrical energy are known as.	A. Resistors B. Capacitors C. Fuses D. Load
7	The pitch of sound depends on its	A. Wavelength B. Frequency C. Wave amplitude D. Harmonic content
8	If a wave vibrate 10 times in 1 s with a speed of 10 m s <sup>-1</sup> the correct wavelength of the wave is.	A. 1 m B. 10 m C. 20 m D. 100 m
9	A Carnot engine has the same efficiency between (i) 100 K and 500 K and ii) T and 900 K What will be T.	A. 90 K B. 100 K C. 180 K D. 200 K
10	Which of the following is electromagnetic wave.	A. X rays B. Micro waves C. Light D. All of these
11	When ever a system is made to complete a cyclic process the work done during the complete cycle.	A. Is zero B. Is negative C. Is positive D. Depends upon the path followed
12	On what factor the internal energy of a thermodynamic system depend upon.	A. History B. State C. Process D. Surroundings
13	If a gas does 10 J of external work white expanding then the change in internal energy is equal to.	A. 0 J B. 10 J C. -10 J D. 100 J
14	Blood pressure of a person	A. Increases with age B. Describe with age C. Have no change D. Stops with age
15	One becauerel is equal to	A. Decay of orie radioactive atoms per second B. Decay of 10 radioactive atoms per second C. Decay of 100 radioactive atoms per second D. Decay of 1000 radioactive atoms per second

		C. Decay of 100 radioactive atoms per second D. Decay of infinity radioactive atoms per second.
16	A given mass of air occupies 12 m <sup>2</sup> at normal atmospheric pressure if the pressure is increased to 4 times the original value without changing the temperature what volume will the air occupy.	A. 3 cm <sup>3</sup> B. 6 cm <sup>3</sup> C. 9 cm <sup>3</sup> D. 12 cm <sup>3</sup>
17	Besides U <sup>235</sup> what else is needed for making as atomic bomb.	A. Electons B. Protons C. Neutrons D. Photons
18	Wave mechanics was introduced by	A. G.P. Thomson B. De-Broglie C. Heisenberg D. Max Planck
19	A material in which resultant magnetic moment is zero.	A. Diamagnetic B. Paramagnetic C. Ferromagnetic D. Anti ferromagnetic
20	If two non zero vectors are perpendicular to each other then their scalar product is equal to.	A. -1 B. 1 C. 0 D. Infinity