

PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	Which of the following devices can be used to produce both transvers and longitudinal waves.	A. A string B. A ripple tank C. a helical spring D. A turning fork
2	The change in entropy for any reversible cycle is identically	A. Infinite B. Positive C. Negative D. Zero
3	The emission of photons by a metal when electrons are incident is called.	A. Photo electric effect B. Pair production C. X-rays production D. Gama ray production
4	The force that bonds protons and neutrons together in the nucleus despite the electrical repulsion of the protons is called.	A. Molecular force B. Nuclear force C. Atomic force D. Gravitational force
5	When mass of a string is increased 4 times its original value, the velocity of the wave.	A. Becomes double B. Reduces to one half C. Reduces to one fourth D. Increases 4 times to its original value
6	Which animal did Erwin Schrodinger contemplate using in his famous thought experiment.	A. mouse B. Cat C. Dog D. Rabbit
7	Which of the following is a unit of electric field strength.	A. $C\ m^{-1}$ B. $V\ m^{-2}$ C. $N\ C^{-1}$ D. $N\ V^{-1}$
8	Electromagnetic wave theory was proposed by	A. Maxwell B. Hertz C. Fizeau D. Huygen
9	Frequency less than 120 Hz are known as	A. Infrasonic B. Ultra sonics C. Super sonics D. Infrared
10	If 'p' is the momentum of an object of mass 'm' the expression p^2/m has base units identical to.	A. Power B. Force C. Velocity D. Energy
11	A force of 50 N acts on a body for 10 s the change in momentum will be.	A. 5 N s B. 200 N s C. 500 N s D. 800 N s
12	A body attached to a spring is pulled to a distance of 20 cm If the value of spring constant is 48 N m ⁻¹ , the amount of force applied will be.	A. 4.8 N B. 9.6 N C. 96 N D. 192 N
13	As electric field intensity is a potential gradient, it may be expressed in the units of NC ⁻¹ or	A. volt B. Volt metre C. Volt per metre D. Joule
14	A cube with sides 2 cm long is made from a material of density 8 g cm ⁻³ What is the density of the block is.	A. 0.2 g cm ⁻³ B. 0.5 g cm ⁻² C. 2 g cm ⁻³ D. 5 g cm ⁻³
15	Plane polarized light can be produced by	A. Reflection B. Refraction C. Scattering of light D. All of these

D. All of these

16 What happen to entropy in an irreversible cycle.

- A. No gain in entropy
- B. No change in entropy
- C. Loss of entropy
- D. A net gain of entropy

17 The acceleration due to gravity

- A. Has the same value everywhere in space
- B. Has the same value every where on the earth
- C. varix with altitude on the earth
- D. Is great her on the moon owing to its smaller diameter

18 Why should the metal casing of an electrical fire be earthen.

- A. To complete an electrical circuit.
- B. To prevent the fire from overheating
- C. To reduce the risk of electric shocks
- D. To stope the casing from getting too not to touch

19 At high altitudes, the blood flows out of nose and ear because.

- A. Blood pressure increase at high altitudes
- B. Percentage of oxygen in the air increase
- C. Atmospheric pressure decreases there
- D. Density of blood decreases of high altitudes

20 Who first studied the visible region of hydrogen spectrum.

- A. Lyman
- B. Pfund
- C. Balmer
- D. Brackett