

PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	In radiotherapy X-rays are used to.	A. Treat cancer B. Detect bone fracture C. Cure heart disease D. All of the above
2	A steel of which material should be placed between the plates of a parallel plate capacitor in order to increase its capacitance.	A. tin B. Iron C. Copper D. Mica
3	Which of the following physical quantity has different units as compared to others.	A. Weight of a body B. Tension of a string C. Buoyant force D. Electromotive force
4	A fundamental equation in fluid dynamics that relates pressure to fluid speed and height is.	A. Equation of continuity B. Bernoulli's equation C. Stoke's equation D. Mass energy equation.
5	In one cycle of a steam engine there are how many dead centres.	A. 1 B. 2 C. 3 D. zero
6	When the lift is moving upward with an acceleration then weight of the object will be.	A. $w = ma$ B. $w - ma$ C. w D. $2w$
7	Gases exert pressure on walls of the vessels because gas molecules.	A. Possess momentum B. Have finite volume C. Collide with each other D. Obey gas laws
8	The dimensions of strain are.	A. $[MLT^{-2}]$ B. $[ML^{-1}T^{-2}]$ C. $[ML^{-2}T^{-3}]$ D. It is a dimensionless quantity
9	Image formed by a camera is	A. Real, inverted, and diminished B. Virtual, upright and diminished C. Virtual, upright and magnified D. Real, inverted and magnified
10	The maximum displacement from the undisturbed position of the medium to the crest top is called.	A. Wavelength B. Amplitude C. Period D. Frequency
11	What is zoom lens	A. It is a lens having fixed focal length B. It is a lens having variable focal length C. It is a lens used in radio telescope D. All of the above
12	When a force of 16 N acts on a mass of 4 kg for a time of 4 s. What is the rate of change of momentum.	A. 1 kg m s^{-2} B. 4 kg m s^{-2} C. 8 kg m s^{-2} D. 16 kg m s^{-2}
13	The base unit of temperature in SI is	A. Fahrenheit B. Celsius C. Kelvin D. Rankine
14	Half life of a radioactive element is 10 minutes. If the initial count rate is 368 counts per minute for what time count rate reaches 32 counts per minute.	A. 20 minutes B. 40 minutes C. 80 minutes D. 120 minutes
15	the wavelength of continuous X-rays is inversely proportional to.	A. Intensity of incident electron beam B. Temperature of the target C. Intensity of X-rays

D. The energy of electrons striking the target

16 What type of current is produced by batteries.

- A. Direct current
- B. Alternating current
- C. Pulsating current
- D. Convection current

17 A body of mass 2 kg is suspended from the ceiling of an elevator moving up with an acceleration 'g' its apparent weight in the elevator will be.

- A. 9.88 N
- B. 19.8 N
- C. 29.4 N
- D. 39.2 N

18 When an object moves with a very high speed the length in the direction of motion.

- A. Contracts
- B. Expands
- C. Remains the same
- D. Becomes infinity

19 A preset or trimmer can be a.

- A. Variable resistor
- B. Variable capacitor
- C. Variable inductor
- D. All of these

20 A piece of weighed wood just floats in water when placed in alcohol will

- A. Float lower
- B. Float higher
- C. Stay as before
- D. Sink