

PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	The phenomenon of interference comes about because waves obey	A. the impulse momentum theorem B. An inverse square law of intensity C. The principle of reciprocity D. The principle of super position
2	The buoyancy depends upon the	A. Depth to which the body is immersed B. Shape of the body C. Mass of the body D. Mass of the liquid displaced
3	A force of 10 N acting on a certain spring produces an extension of 40 mm Two such spring are connected end to end and this double length spring is extended by 40 mm What is the strain energy.	A. 0.05 J B. 0.10 J C. 0.20 J D. 0.40 J
4	The pascal is not the SI derived unit of.	A. Pressure B. Stress C. work D. Tensile strength
5	When a current of 2 A flows for 5 s through a lamp 120 W of power are used How much charge flows through the lamp.	A. 10 C B. 12 C C. 24 C D. 60 C
6	Which of the following quantities is not changed during refraction of light.	A. Its direction B. Its speed C. Its frequency D. Its wavelength
7	The temperature which is the same in $^{\circ}\text{C}$ and $^{\circ}\text{F}$ is.	A. -20 B. -40 C. 20 D. 40
8	The escape velocity from the earth's surface is	A. 1.2 km s^{-1} B. 1.7 km s^{-1} C. 10.2 km s^{-1} D. 11.2 km s^{-1}
9	The radius of second orbit of hydrogen atom is	A. 0.071 \AA B. 0.142 \AA C. 4.752 \AA D. 9.5298 \AA
10	Which of the following quantity is defined in terms of the rate of change of electric displacement field.	A. Conventional current B. Electronic current C. Displacement current D. Pulsating current
11	Sub atomic particles which does not experience strong nuclear force are.	A. hadrons B. Photons C. Leptons D. Nucleons
12	In a transistor which one is very thin.	A. Collector B. Emitter C. Base D. Depletion region
13	Which of the following describes that the time interval between two events may be different in different of references	A. Simultaneously B. Time dilation C. Length contraction D. Mass variation
14	The emission of electrons from a metal surface when exposed to light of suitable frequency is called.	A. Pair production B. Compton effect C. Photo electric effect D. Zeeman effect
15	If a body a moving with constant acceleration the velocity time graph will be a	A. zig zag B. Straight line C. Constant value

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- 16 While passing through the atmosphere total energy is reduced due to.
- A. scattering
B. Absorption
C. Reflection
D. All of these
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- 17 In which temperature range water decreases in volume with increasing temperature.
- A. From 0 $^{\circ}\text{C}$ to 4 $^{\circ}\text{C}$
B. from 0 $^{\circ}\text{C}$ to 10 $^{\circ}\text{C}$
C. from 50 $^{\circ}\text{C}$ to 100 $^{\circ}\text{C}$
D. from 75 $^{\circ}\text{C}$ to 100 $^{\circ}\text{C}$
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- 18 When net torque acting on a system is zero which of the following will be constant.
- A. Force
B. Angular momentum
C. Linear momentum
D. Linear impulse
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- 19 a cube with sides 2 cm long is made from a material of density 8 g cm^{-3} What is the mass of the cube
- A. 4 g
B. 16 g
C. 32 g
D. 64 g
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- 20 If an object moves with velocity of light the apparent length of the object moving the direction of motion becomes.
- A. Larger
B. Smaller
C. Zero
D. Infinity