

Physics Fsc Part 1 Full Book Online Test

Sr	Questions	Answers Choice
1	The principle of superposition in waves is stated as.	A. <p>The displacemnt of wave is the sum of the displacement of its individual components</p> B. <p>The velocity of a wave is the product of its indivisudla components</p> C. <p>The frequency of a wave is the differecne of tis individual componetns&nbsp;</p> D. <p>The amplitude of a wave is the rato of its individual components</p>
2	In one revolution the anguar displacement covered is.	A. <p>60<sup>o</sup></p> B. <p>90<sup>o</sup></p> C. <p>360<sup>o</sup></p> D. <p>180<sup>o</sup></p>
3	Two pont charges A and B are separated by 10 m. If the distance between teh m is reduced to 5 m. the force exerted on each.	A. <p>Decrease to half its original value</p> B. <p>Increase to twice the original value</p> C. <p>Increase four times to its original value</p> D. <p>Decreases to one quarer of its original value</p>
4	Electron -vold is a unit of.	B. <p>Energy</p> C. <p>Potential</p> D. <p>Capacitance</p> E. <p>Electric intensity</p>
5	The phenomenon of polarization of light is	A. <p>The process of scattering of light</p> B. <p>The property of light to vibrate in a specific plane</p> C. <p>The ability of light to travel in a straight line</p> D. <p>The phenomenon of light chaning colour</p>
6	The point of maximum displaceemnt on stationary wave is	A. <p>Antinode</p> B. <p>Node</p> C. <p>Trough</p> D. <p>Crest</p>
7	Harmonics are	A. <p>Integer multiple sof a fundamental frequency</p> B. <p>Integer submultiples of a fundamental frequency</p> C. <p>Random frequencies</p> D. <p>Non integer&nbsp;</p> multiples of a fundamantal frequency</p>
8	Name the quantity which is a vector	A. <p>Power</p> B. <p>Density</p> C. <p>Impulse</p> D. <p>Charge</p>
9	The least count of aninstrument determines	A. <p>Precision of a measurment</p> B. <p>Accuracy of a measurement&nbsp;</p> C. <p>Factinal uncertainty of a measuremnet&nbsp;</p> D. <p>Percentage uncertainty of a measurement</p>
10	The current produced when the conductor moes across a magnetic field is called	A. <p>Electric potential</p> B. <p>Electrosatic induction&nbsp;</p> C. <p>Electromagnetic induction&nbsp;</p> D. <p>Electric polarization</p>
11	The time rate of changer of angular displacement is called.	A. <p>Linear velocity</p> B. <p>Linear Acceleration</p>

		C. <p>Angular Acceleration</p> D. <p>Angualr velocity</p>
12	What can be calculated from the curve under PV graph.	A. <p>Heat</p> B. <p>Work done</p> C. <p>Temperatures</p> D. <p>Internal energy</p>
13	$K = R/NA$, Where k is called.	A. <p>Rydsberg constant</p> B. <p>Boltzmann constant</p> C. <p>Stefan constant</p> D. <p>Planck's constant</p>
14	Which one of the following medium can transmit both transverse and longitudinal wave.	A. <p>Liquid</p> B. <p>Solid</p> C. <p>gas</p> D. <p>Both a and b</p>
15	If a current is passing through a wire, the magnet lines of force are.	A. <p>Concentric circles</p> B. <p>Parallel to the wire</p> C. <p>Perpendicular to the wire</p> D. <p>Inclined to the wire</p>
16	The path difference is an odd integral multiple of half wavelength is for	A. <p>Constructive interference</p> B. <p>Destructive interference</p> C. <p>Both a and b</p> D. <p>Beats</p>
17	Internal energy of a substance, is directly proportional to	A. <p>T</p> B. <p>V</p> C. <p>W</p> D. <p>P</p>
18	Rocket ejects the burnt gases at a speed of over (consuming fuel at rate of 10000kg/s)	A. <p>4000 m/s</p> B. <p>400 m/s</p> C. <p>40000 cm/s</p> D. <p>400 cm/s</p>
19	In carnot engine, each process is.	A. <p>Reversible</p> B. <p>Preferable Reversible</p> C. <p>Irreversible</p> D. <p>Perfectly irreversible</p>
20	An electric field can deflect.	A. <p>Charge particles</p> B. <p>Neutrons</p> C. <p>X-rays</p> D. <p>Beta Rays</p>