

Physics Fsc Part 1 Full Book Online Test

Sr	Questions	Answers Choice
1	The particles of medium in longitudinal wave vibrate direction of propagation	A. Parallel B. Perpendicular C. Upward D. None of these
2	Work done on a body for increasing velocity results in.	A. Change in K.E. B. Change in gravitational P.E. C. Change in electric P.E. D. All
3	The key purpose of an analyzer in a polarization experiment is.	A. To polarize the light B. To measure the intensity of light C. To change the direction of light D. To filter out unwanted light
4	1 kilowatt is equal =	A. 1000 J/s B. 106 watt C. 0.1×10^3 Watt D. 6.25×10^{25} Watt
5	A wheatstone bridge consists ofresistors.	A. 3 B. 4 C. 2 D. 5
6	The fundamental equation in fluid dynamics that relates to pressure, speed and height is.	A. Bernoulli's equation B. Continuity equation C. Energy equation D. Force equation
7	If a force of 10 N makes an angle of 30° with x-axis its y-component is given by	A. 8.66 N B. 0 N C. 0.776 N D. 5 N
8	The energy 'E' equivalent to mass given by	A. Ec^2 B. E/C^2 C. E/C D. C^2/E
9	Which is not an example of a diabatic process.	A. Rapid escape of air from burst tyre B. Rapid expansion of air C. Conversion of water into ice in refrigerator D. Cloud formation in the atmosphere
10	The wave is used to transfer.	A. Energy B. Mass C. Weight D. Frequency
11	The principle of superposition in waves is stated as.	A. The displacement of wave is the sum of the displacement of its individual components B. The velocity of a wave is the product of its individual components C. The frequency of a wave is the difference of its individual components D. The amplitude of a wave is the ratio of its individual components
12	The SI Unit of magnetic flux is.	A. Weber B. $N \cdot m^{-1}$ C. $N \cdot m \cdot A^{-1}$ D. Both a and c

13	A moving charged particle is surrounded by	A. <p>Electric field only</p> B. <p>Magnetic field only</p> C. <p>Both electric and magnetic field</p> D. <p>No field</p>
14	A bottle of soda water is grasped from the neck and swung briskly in vertical circle. Near which portion of the bottle do the bubbles collect.	A. <p>Near the bottom</p> B. <p>In the middle of bottle</p> C. <p>Bubbles remain distributed throughout</p> D. <p>Near the neck of the bottle</p>
15	The force F of magnitude 30 N making an angle of 60° with x-axis	A. <p>7 N</p> B. <p>15 N</p> C. <p>10 N</p> D. <p>5 N</p>
16	The SI Unit of modulus of elasticity is.	A. <p>Coulomb</p> B. <p>Pascal</p> C. <p>Ampere</p> D. <p>None of these</p>
17	A set of frequencies which are multiples of the fundamental frequency are called.	A. <p>Doppler effect</p> B. <p>Normal frequencies</p> C. <p>Harmonics</p> D. <p>Beat frequencies</p>
18	A 10 m high tank is full of water. A hole appears at its middle the speed will be.	A. <p>5 m/sec</p> B. <p>9.9 m/sec</p> C. <p>9.8 m/sec</p> D. <p>5.11 m/sec</p>
19	If a resistor is traversed in the direction of current, the potential change is.	A. <p>Negative</p> B. <p>Positive</p> C. <p>Zero</p> D. <p>Infinite</p>
20	Law of conservation of energy is on the basis of.	A. <p>Bernoulli's theorem</p> B. <p>Venturi relation</p> C. <p>Stokes law</p> D. <p>Equation of continuity</p>