

9th Class Physics English Medium Online Test For Full Book

Sr	Questions	Answers Choice
1	A box is taken to the second floor at a building by doing some work. This work converts to.	A. Kinetic energy B. Heat energy C. Potential energy D. Sound energy
2	A weight lifter of power 1960 watt lifts a load of mass 'M' from the ground to a height of 2 m in 3 second 'M' is.	A. 200 kg B. 100 kg C. 400 kg D. 300 kg
3	Centripetal force is given by	A. rF B. mv^2/r C. mv^2/r^2 D. $r F \cos \theta$
4	A heavy and a lighter object have same momentum. The object with greater kinetic energy is.	A. Heavy B. Lighter C. Same kinetic energy D. Either a or b
5	Which branch of science plays an important role in engineering.	A. Biology B. Physics C. Chemistry D. Life Science
6	When studying how air conditioners cool your house, then it is	A. Optics B. Nuclear Physics C. Thermodynamic D. Electromagnetism
7	The most elastic material of the following is.	A. Rubber B. Steel C. Wood D. Glass
8	A car, an elephant and a cricket ball have same kinetic energies, Which of these have greater speed.	A. Car B. Cricket ball C. All have same speed D. Elephant
9	When an ideal gas is expanded keeping its temperature constant, its internal energy	A. Increases B. Remains the same C. Decreases D. Cannot be determined
10	In a vernier Calipers ten smallest divisions of the Vernier scale are equal to nine smallest divisions of the main scale. If the smallest divisions of the main scale is half millimeter, the Vernier constant is equal to.	A. 0.05 mm B. 0.5 mm C. 0.1 mm D. 0.001 mm
11	Which one is a better choice for a liquid in glass thermometer is that.	A. Wet glass B. Is colourless C. Is a bad conductor D. Expand linearly
12	Mercury has uniform linear expansion in liquid in glass thermometers, A liquid in glass thermometer has a mercury level of 2 cm at melting point of ice and a mercury level of 6 cm at boiling point of water. What is the distance between every 1 °C division on Celsius scale of thermometer.	A. 0.08 B. 0.04 cm C. 0.06 cm D. 1.00 cm
13	A graph of an organized data is an example	A. Collecting data B. Analyzing data C. Asking question D. Forming a hypothesis
14	Permanent magnet cannot be made by	A. Steel B. Alnico C. Soft iron D. Neodymium
15	Least count of screw gauge is 0.01 mm. If main scale reading of screw gauge is zero and third line of its circular scale coincides with datum line then the measurement on the screw gauge is.	A. 0.03 mm B. 3 mm C. 0.3 mm D. 0.1 mm

16	Heat is the	A. The energy in transit B. Total kinetic energy of the molecules C. The internal energy D. Work done by the molecules
17	A seesaw balances perfectly with two children of equal weight sitting at equal distances from the fulcrum. If one child moves closer to the fulcrum.	A. The seesaw topples B. The seesaw tips towards the child who stayed further away C. The seesaw tips towards the child who moved closer D. The seesaw remains balanced
18	If a bar magnet is cut in half it will become	A. A monopole B. Magnetized C. Magnet of less strength D. The same magnet
19	The magnitude of momentum of an object is doubled. the kinetic energy of the object will	A. Double B. Increase to four times C. Reduce to one half D. Remain the same
20	When a hanging carpet is beaten by stick Dust flies off the carpet It is mainly due to.	A. Action force on carpet B. Inertia of dust C. Reaction force by carpet D. Rate of change of momentum of carpet