

9th Class Physics English Medium Online Test For Full Book

Sr	Questions	Answers Choice
1	Which of the following is a non -contact force.	A. Friction B. Electrostatic force C. Air resistance D. Tension in the string
2	A sensitive magnetic material is to be shielded by the external magnetic field. It should be kept inside a box of.	A. Soft Iron B. Plastic C. Steel D. Wood
3	Physics is one of the branches of.	A. Life science B. Social science C. Biological sciences D. Physical sciences
4	An object with a mass 5 kg moves at a constant velocity of 10 ms ⁻¹ . A constant force then acts for 5 seconds on the object and gives it a velocity of 2 ms ⁻¹ . In the opposite direction, The force acting on the object is.	A. -12 N B. 5 N C. -10 N D. -15 N
5	A car is moving with velocity of 10 m/s. If it has acceleration of 2 m/s ² for 10 seconds. What is final velocity of the car.	A. 20 m/s B. 10 m/s C. 30 m/s D. 15 m/s
6	A car drives at steady speed around a perfectly circular track	A. The car's acceleration is zero B. The net force on the car is zero C. Both the acceleration and net force on the car point inward D. Both the acceleration and net force on the car point outward
7	A force acts on a body for 2 seconds and it produces 50 kg m/s change in its momentum. The force acting on the body	A. 25 N B. 100 N C. 2 N D. 50 N
8	A graph of an organized data is an example	A. Collecting data B. Analyzing data C. Asking question D. Forming a hypothesis
9	Why do scientists develop a hypothesis before conducting research.	A. Hypotheses help a researcher decide which observations to record and which to ignore B. It gives them direction on how to interpret the results of their research C. It helps to predict outcomes and define the parameters of the research D. Hypotheses give the researcher an outcome to shape their work around
10	Gradient of the speed-time graph is equal to.	A. Speed B. distance covered C. Acceleration D. Velocity
11	Temperature of substance is	A. The total amount of heat contained in it B. Degree of hotness or coldness C. The total number of molecules in it D. Dependent upon the intermolecular distance
12	Slope of distance-time graph is.	A. Speed B. Velocity C. Acceleration D. Displacement
13	When line of action of the applied force passes through its pivot point then moment of force acting on the body is	A. Maximum B. Minimum C. Infinite D. Zero

14	SI unit of pressure is.	A. Newton B. Pascal C. Infinite D. Zero
15	Which branch of science plays vital role in technology and engineering.	A. Biology B. Chemistry C. Physics D. Geology
16	A uniformly rotating fan is said to be in	A. Static equilibrium only B. Dynamic equilibrium only C. Both in static and dynamic equilibrium D. Not in equilibrium
17	A mass of 2 kg is hung by spring which displaces it through 5 cm. the spring constant.	A. 4000 N/m B. 400 N/m C. 40 N/m D. 4 N/m
18	Physics is a branch of	A. Biological science B. Physical Science C. Life science D. Social science
19	The numerical ratio of displacement to distance is	A. Equal to or less than one B. Always greater than one C. Always equal to one D. Always less than one
20	Inertia of a body is related to which of the following quantities	A. Friction B. Force C. Mass D. Weight