

9th Class Physics English Medium Online Test For Full Book

Sr	Questions	Answers Choice
1	A body is moving with constant acceleration starting from rest. It covers a distance S in 4 seconds. How much time does it take to cover one-fourth of this distance.	A. 1 s B. 2 s C. 4 s D. 16 s
2	Which of the following numbers show 4 significant digits.	A. 9000.8 B. 4 C. 0.001248 D. 5174.00
3	Ratio of millimeter to micrometer is	A. 1000 m B. 0.001 meter C. 1000 D. 0.001
4	Earth's magnetic field intensity is.	A. Constant everywhere B. Very low at poles C. Varies place to place D. Very high at equator
5	What is the best definition of the term "theory", as it is used in science.	A. A theory is a guess or hunch about something that has occurred in nature B. A theory is a comprehensive set of ideas explaining a phenomenon in nature C. A theory is based on verifiable laws and can be proven true D. A theory is a hypothesis that uses laws and observation to make an assumption.
6	The Branch of Physics that is most important when studying how glasses help people see.	A. Optics B. Thermodynamics C. Electromagnetism D. Mechanics
7	If a cyclist has acceleration of 2 m/s^2 for 5 seconds, the change in velocity of the cyclist is.	A. 15 m/s B. 10 m/s C. 2 m/s D. 20 m/s
8	Two rods with length 12.321 cm and 10.3 cm are placed side by side. the difference in their lengths is.	A. 2.02 cm B. 2 cm C. 2.021 cm D. 2.0 cm
9	A rider is training a horse. The horse moves 60 meters towards right in 3 seconds. Then it turns back and travels 30 meters in 2 seconds. Find its average velocity.	A. 18 m/s B. 6 m/s C. 0 m/s D. 35 m/s
10	Which of the following is a base unit.	A. Mole B. Pascal C. Coulomb D. meter per second
11	The branch of Physics that deals with the particles such as neutrons and protons.	A. Electricity B. Plasma Physics C. Nuclear Physics D. Solid state Physics
12	The rate of change of momentum of a free falling body is equal to its.	A. Size B. Velocity C. Weight D. Momentum
13	The instrument that is most suitable for measuring the thickness of a few sheets of cardboard is a.	A. Metre rule B. Micrometer screw gauge C. Measuring tape D. Vernier calipers
14	In which of the materials, particles have only vibrational motion.	A. Liquids B. Solid C. Plasma D. -

		D. Gas
15	A ball with initial momentum p hits a solid wall and bounces back with the same velocity. Its momentum p after collision will be.	A. $P' = p$ B. $P' = -P$ C. $P' = 2P$ D. $P' = -2P$
16	Permanent magnet cannot be made by	A. Steel B. Alnico C. Soft iron D. Neodymium
17	The numbers having one significance digit is.	A. 6.0 B. 1.1 C. 6×10^2 D. 7.1
18	SI unit of pressure is.	A. Newton B. Pascal C. Infinite D. Zero
19	How do the molecules in a solid behave.	A. Move randomly B. Move in a straight line from hot to cold ends C. Vibrate about their mean position D. Rotate and vibrate randomly at their own positions
20	A Carnot engine cannot have an efficiency equal to.	A. 0 B. 1 C. 0.8 D. 0.5