

9th Class Physics English Medium Online Test For Full Book

Sr	Questions	Answers Choice
1	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
2	The most elastic material of the following is.	A. Rubber B. Steel C. Wood D. Glass
3	Which branch of science plays an important role in engineering.	A. Biology B. Physics C. Chemistry D. Life Science
4	A graph of an organized data is an example	A. Collecting data B. Analyzing data C. Asking question D. Forming a hypothesis
5	Permanent magnets are used in	A. Circuit breaker B. Loudspeaker C. Electric crane D. Magnetic recording
6	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. $P' = -2P$
7	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
8	An object will continue its motion with constant acceleration until	A. The resultant force is at right angle B. The resultant force on it begins to increase C. The resultant force on it begins to decrease D. The resultant force is at right angle to its tangential velocity
9	The power of a water pump is 2 kW. The amount of water it can raise in one minute to a height of 5 meter is	A. 2400 litres B. 1000 litres C. 1200 litres D. 2000 litres
10	Which thermometer uses voltage to measure temperature of a hot body.	A. Thermocouple B. Resistance thermometer C. Liquid in glass thermometer D. Gas thermometer
11	When the slope of a body's displacement time graph increases the body is moving with	A. Constant velocity B. Increasing velocity C. Decreasing velocity D. All of these
12	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
13	The force which moves the car is	A. Force of friction between road and tyres B. Force developed by engine C. Uniform velocity D. Water split on the road
14	A user friendly software application of smart phone use	A. Laser Technology B. Information Technology C. Medical Technology

15 A particle of mass m moving with a velocity v collides with another particle of the same mass at rest. The velocity of the first particle after collision is.

A. 0
B. v
C. $-p$
D. $-1/2$

16 A wire is stretched by a weight w . If the diameter of the wire is reduced to half of its previous value, the extension will become

A. Four times
B. Double
C. One fourth
D. One half

17 One disadvantage of using alcohol in a liquid in glass thermometer.

A. It wets the glass tube
B. It has large expansivity
C. It has low freezing point (-112 oC)
D. Its expansion is linear

18 A 4 kg body is thrown vertically upward from the ground with a velocity of 5 ms⁻¹. If friction is neglected its kinetic energy just before hitting the ground is.

A. 25 J
B. 100 J
C. 50 J
D. 75 J

19 One femtometre is equal to

A. 10^{15} m
B. 10^{15} m
C. 10^{-9} m
D. 10^{-9} m

20 It is more difficult to walk on a slippery surface than on a nonslippery one because of

A. Lower weight
B. Increased friction
C. Reduced friction
D. High grip
