Physics (New Book) - 9th Class Physics English Medium Chapter 3 Preparation

Q1. Define Net force.

Ans 1: The resultant of all the forces acting on the body is called Net Force.

Q2. Define friction

Ans 1: Friction is teh force that resists motion when the surface of one object comes in contact with the surface of another

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Q3. What is force meter.

Ans 1: A force meter is a scientific instrument that measrues force. It is also called as a Newton meter or a spring balance

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Q4. Define static friction

Ans 1: The resisting force between the two surfaces before the motion starts is called the static friction.

Q5. What does the length of the force arrow in a free body diagram represent.

Ans 1: The length of the force arrow refleets the magnitude of the force

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Q6. What kind of changes in motion maybe produced by a force.

Ans 1: Change in speed
Change in direction
Change in shape

Q7. Define Magnetic Force.

Ans 1: An attaactive or repulsive force experimenced between magnetic poles is called magnetic force.
Example:
The repulsive force between the two North Poles of magnets.

Q8. an object moves with constant velocityin free space. How long will the object continue to move with this velocity.

Ans 1: The object will continue to move with constant velocity indefinitely, as long as no external force acts on it.

Q9. What will be the tension in a rope that is pulled from its ends by two opposite force s100 N each.

Ans 1: the tension in a rope that is pulled from its ends by two opposite force 100 N each will be 100 N.

Q10. What is kinetic frcition.

Ans 1: The friction during motion is called kinetic friction.