



PHYSICS

BOOKS - NCERT EXEMPLAR

FORCE

Multiple Choice Questions

1. During dry weather, while combing hair, sometimes we experience hair flying apart. The force responsible for this is

A. force of gravity

B. force of friction.

C. electrostatic force.

D. magnetic force.

Answer: C



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2. Two objects repel each other. This repulsion could be due to

A. frictional force only

B. electrostatic force only

C. magnetic force only

D. either a magnetic or an electrostatic
force

Answer: D



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3. Which one of the following forces is a contact force?

A. force of gravity

B. magnetic force

C. force of friction

D. electrostatic force

Answer: C



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Very Short Answer Questions

1. A ball of dough is rolled into a flat chapatti.

Name the force exerted to change the shape of the dough.

A. Muscular force

B.

C.

D.

Answer:



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2. Where do we apply a force while walking?



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3. A girl is pushing a box towards east direction. In which direction should her friend push the box so that it moves faster in the same direction?

A. West

B. East

C. North

D. South

Answer: B



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4. During dry weather, clothes made of synthetic fibre often stick to the skin. Which type of force is responsible for this phenomenon?



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5. During dry weather, clothes made of synthetic fibre often stick to the skin. Which type of force is responsible for this phenomenon?



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6. Does force of gravity act on dust particles?



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7. A gas filled balloon moves up. Is the upward force acting on it larger or smaller than the force of gravity?



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8. Does the force of gravitation exist between two astronauts in space?



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Short Answer Questions

1. A chapati maker is a machine which converts balls of dough into chapati's. What effect of force comes into play in this process?



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2. Two persons are applying forces on two opposite sides of a moving cart. The cart still moves with the same speed in the same direction. What do you infer about the

magnitudes and direction of the forces applied.



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3. Two thermocol balls held close to each other move away from each other. When they are released, name the force which might be responsible for this phenomenon. Explain.



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4. Fruits detached from a tree fall down due to force of gravity. We know that a force arises due to interaction between two objects. Name the objects interacting in this case.



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5. A man is pushing a cart down a slope. Suddenly the cart starts moving faster and he wants to slow it down. What should he do?



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6. An archer shoots an arrow in the air horizontally. However, after moving some distance, the arrow falls to the ground. Name the initial force that sets the arrow in motion. Explain why the arrow ultimately falls down.



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7. It is difficult to cut cloth using a pair of scissors with blunt blades. Explain.



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8. Two women are of the same weight. One wears sandals with pointed heels while the other wears sandals with flat soles. Which one would feel more comfortable while walking on a sandy beach? Give reasons for your answer.



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9. It is much easier to burst an inflated balloon with a needle than by a finger. Explain.



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