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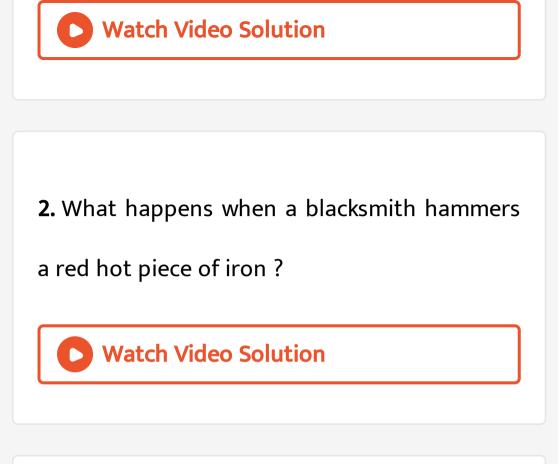
### PHYSICS

# BOOKS - NAVNEET PHYSICS (MARATHI ENGLISH)

## FORCE AND TYPES OF FORCE

**Question Bank** 

**1.** What happens when you hold the two ends of a spring and pull them apart ?



3. Take two pieces of smooth papers and two sand papers. Rub them against each other. What do you notice ?

**4.** Spread small pleces of paper on a table. Rub a piece of thermocol or an inflatedballoon against silk cloth and bring it near these piecees.

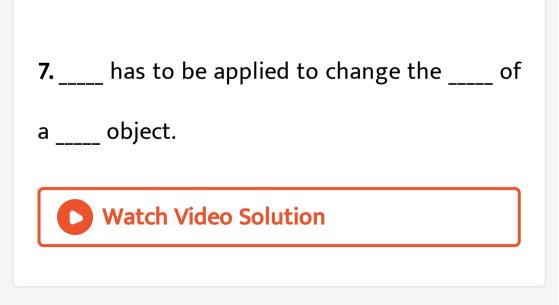
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5. Rub a plastic comb against dry hair and

bring it near the pieces of paper

6. Rub a peacock feather between two pages of a notebook and bring it near your fingers. What do you see ?





8. When an elephant drags a wooden log over the land. the forces are applied on the log are \_\_\_\_\_.

9. A ball was set rolling on a large table. If it's

\_\_\_\_ is to be changed. a \_\_\_\_\_ will have to be

applied on it. (force, mottion, gravitation)

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mottion. (along. against)

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#### 11. Macth the following:

#### Q. 2. Match the following :

Group 'A'	Group 'B'
<ol> <li>An ox pulling a cart</li> <li>Lifting a heavy iron object with a crane</li> <li>Weighing with a spring balance</li> <li>Applying brakes to a bicycle</li> <li>Picking up pieces of paper with a plastic scale.</li> </ol>	<ul> <li>(a) Magnetic force</li> <li>(b) Electrostatic force</li> <li>(c) Muscular force</li> <li>(d) Gravitational force</li> </ul>

12. One or more forces are acting in the give

example. Name them

An object falling from a tall building.



#### 13. One or more forces are acting in the give

example. Name them

An aeroplane flying in the sky.

14. One or more forces are acting in the give

example. Name them

Squeezing sugarcane juice with a squeezer.

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15. One or more forces are acting in the give

example. Name them

Winnowing food grains.

16. Explain in your own words giving one
example each :
Muscular force :
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**17.** Explain in your own words giving one example each :

Gravitational force :

18. Explain in your own words giving oneexample each :Mechaical force :



**19.** Explain in your own words giving one example each :

Electrostatic force :

**20.** Explain in your own words giving one example each :

The force of friction / Frictional force :

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**21.** Explain in your own words giving one example each :

Magnetic force :

**22.** Why ? (Give reasons) :

Machines are oiled from time to time.



**23.** Why ? (Give reasons) :

An object thrown upwards comes down after

reaching a point.

**24.** Why ? (Give reasons) :

Powder is sprinkled on a carrom board.



**25.** Why ? (Give reasons) :

The ramp at a railway station has a rough surface.

26. In what way are we different ? Muscular

force and mechanical force

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**27.** Write answer to the given questions in your own words :

What are the things that can be done by

applying force ?

28. Write answer to the given questions in

your own words :

What is meant by weight ?

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**29.** Write answer to the given questions in your own words :

What machines run on muscular force ?

30. Write answer to the given questions in

your own words :

Which force are acting upon an aeroplabne

taking off into the sky?



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**31.** A uniform wooden plank, 5 m long and mass of 40 kg, is resting horizontally on two supports 0.5 m from each end. A boy weighing 45 kg stands on the plank, 1.5 m from one end. Find the reaction at the supports.



