

Two mark questions	
8.	Give one example of each where: a) A force moves a stationary body b) A force stops a moving body. c) A force changes the speed of a body d) A force changes the shape or size of a body.
9.	Calculate the pressure when a force of 200 N is exerted on an area of: (i) 10 m^2 (ii) 5 m^2
10.	Define force. Write its two effects.
11.	Why cabins of aeroplane flying at higher altitudes are pressurized?
12.	How does atmospheric pressure vary with altitudes?
13.	Why is it difficult to cut vegetables with blunt knife?
14.	When you press a rubber sucker on a smooth surface, it sticks to the surface. Why?
15.	Suppose you are going in a jet plane and one of the windows breaks due to an accident. What problem do you think that you will face?
16.	The tip of drawing pin has an area $1.0 \times 10^{-8} \text{ m}^2$. Find the pressure exerted if force applied is 10 N.
Three mark question	
17.	Give reason: a) Mountaineers suffer nose bleeding at high altitudes. b) Deep –sea divers wear special suits. c) Porters wear turbans while carrying heavy loads on their heads.
18.	i) Two tiny holes are made in a plastic bucket, one near the middle part & the other just above the bottom. When this bucket is filled with water, the water rushes out from the bottom hole much faster than from the upper hole. What conclusion do you get from these observations? ii) We know that there is a huge amount of atmospheric pressure on us. But we do not experience its effect. Why? iii) A student X says that water exerts pressure on the bottom of the bucket but another student Y says that water exerts pressure on the sides of the bucket. What would you say?

