1.	A satellite revolves around earth in a circular orbit. What is work done by the satellite? Give		
	reason t	o justify your answer.	[1]
2.	What ar	e the two forms of mechanical energy ?	[1]
3.	A body is acted upon by a force. Give two conditions when the work done		
	by the fo	orce is zero.	[2]
4.	Name the form of energy a body may possess even when it is not in motion. Give an example to		
	support	your answer.	[2]
5.	State the condition when the work done by a force is a) positive, b) negative. Explain with help		
	of suitab	ble examples.	[3]
6.	What is gravitational potential energy ? Derive an expression for it for a body placed at a height		
	above th	ne ground.	[3]
7.	Give fou	r points of distinction between potential energy and kinetic energy.	[4]
8.	A boy of mass 40kg climbs up the stairs and reaches the roof at a height 8m in 5s. Calculate :		
	i)	The force of gravity acting on the body.	
	ii)	The work done by him against the force of gravity.	
	iii)	The power spent by the body.	
		$(Take g = 10 m/s^2)$	[4]