no	judul bab	jml soal	
1			Analyze the quantity of displacement, velocity and acceleration in motion in two dimensions
	Analyze motion in straight line, circular motion and	2	by using vector analysis
	parabolic motion by using vectors		Analyze displacement and velocity in parabolic motion by using vector analysis
2	Analyze regularity of planets' motion in solar system by		
	using Newton's Law	1	Calculate the resultant of gravity forces that exerted on a particle in a certain system
3	Analyze the influence of the force upon the elasticity of a		
	matter	1	Compare the force constant based on data that gathered from the experiment
4	Analyze the relation between force and oscillation	1	Describe the characteristic of spring oscillation
5			Describe the relation between work, force and displacement to find mathematical expression
	Analyze the relation between work, the change in energy	2	of work
	and the law of conservation of mechanical energy		Analyze the relation between work and the change in kinetic energy
6	Apply the Law of conservation of mechanical energy to		Apply the law of conservation of mechanical energy in explaining motion in simple harmonic
	solve dally life problem	1	OSCIIIation
7		2	and their application in explaining daily life phenomenon
	Show the relation between impulse and momentum	2	Integrate the law of conservation of energy and the law of conservation of mechanical energy
	concept to overcome collision problems		in some case when collision occur
cmt 2			
1		-	Determine the influence of terraus due to the retation of a body
1		5	Find the applage of Newton's second Low in translation and retation
			Find the analogy of Newton's second Law in translation and rotation
			are rotated about a certain axis
	Formulize the relation between concept of torque, angular		
	momentum and moment inertia: based on Newton's 2 nd		Formulate mathematical expression for the law of conservation of angular momentum
	law and their application in explaining problems about		
	rigid body mechanic		Apply the concept of center of weight to determine the center of weight of some b odies
2		5	Formulate the basic laws of static fluid
			Apply the laws of static fluid in solving problems in students' daily life
	Analyze the laws that are related with static fluid and		Formulate the basic laws of dynamic fluid
	dynamic fluid and also their application in daily life		Apply the laws of dynamic fluid in solving problems in students' daily life
3		2	Describe the general equation of ideal gases in daily physics problem
	Describe the properties of monoatomic ideal gases		Apply general equation for ideal gases in isothermal, isochoric, and isobaric process

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4			Describe the work that are done, heat that are transferred and the change in internal energy
		3	by using the laws of thermodynamics
			Analyze the process in a system of gases by observing their graphic of pressure against
	Analyze changes of ideal gases by applying the law of		volume
	thermodynamics		Describe how carnot machine works