

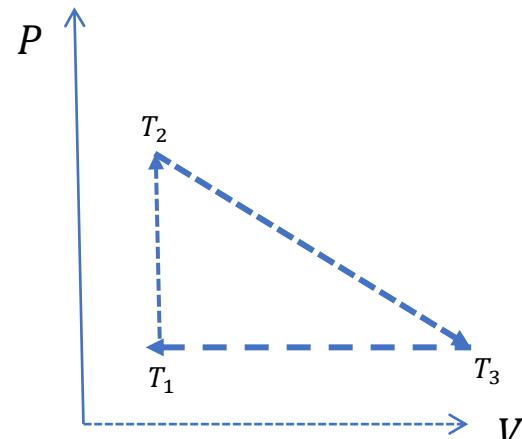
Assignment for students participating in the HSC Examination of 2022

Subject: Physics

Paper: 2nd paper Sub. Code: 175

Class: HSC

Assignment No.	Assignment	Learning outcomes/Content	Instruction (Symbol/Step/Depth)	Assessment Criteria						Comments
Order	Indicator	Level of expertise	Total			Comments				
			4	3	2	1				
			(a) Presenting acceptable answers (including units) with necessary information and mathematical formulas.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3		
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
			(b) Presenting acceptable answers (including units) with necessary information and mathematical formulas.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3		
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
			(c) Presenting acceptable answers (including units) with necessary information and mathematical formulas.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4		
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Total Marks: 10										



- a) Calculate the work done for T₁ to T₂
- b) Calculate the required heat to increase of internal energy to increase of temperature from T₁ to T₂
- c) Calculate the required heat & increase of internal energy to increase of temperature from T₂ to T₃