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<u>J.E.E./A</u> Time: 30 min	I.P.M.T.Foundation - XI Chemistry Work Ch#6 : Thermodynamics -03	<u>sheet</u> Full Marks: 20
Instructions: 1. All questions are com 2. Please give the explai	pulsory. nation for the answer where applicable.	
Q1 -Define the term Enthalpy		(1 Mark)
	s initially at 27 <sup>0</sup> C and one atmospheric pressure a I the final pressure of the gas is 10 atm. Calculate	
		(3 Marks)
Q3 -Define Heat capacity, spe	cific heat capacity and molar heat capacity of a sy	ystem. (3 Marks)
Q4 -Define the term, Enthalpy	y change of a reaction or heat of reaction.	(1 Mark)
Q5 - Explain the enthalpy of c	combustion of a reaction?	(1 Mark)
Q6 - Define the Gibb's free en	ergy. Give an expression for the Gibb's Helmholtz	z equation. (3 Marks)
Q7 - Explain the Born-Haber (	Cycle in detail.	(5 Marks)
Q8 - Give the applications of I	Born Haber Cycle.	(3 Marks)

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