

	a)	Explain in detail Fermi-Dirac distribution law.	7
	b)	What is Phase space? Explain it in two three sentences.	4
	c)	Explain in details law of Equipartition of energy.	3
Q-6		Attempt all questions	(14)
	a)	Explain macroscopic and microscopic states in details.	5
	b)	Explain in details Temperature-Entropy diagram.	5
	c)	Explain Internal Energy in details.	4
Q-7		Attempt all questions	(14)
	a)	Explain in details Bose Einstein distribution law.	8
	b)	Write a short note on third law of thermodynamics.	4
	c)	Explain Enthalpy in details.	2
Q-8		Attempt all questions	(14)
	a)	Explain transport phenomena and discuss about Viscosity.	6
	b)	Explain in details work-done during isothermal process.	4
	c)	Write a short note on Clausius- Clapeyron relation.	4

