

Q-5	Attempt all questions	(14)
	a) What is thermonuclear reactions? Explain it with suitable examples.	07
	b) Discuss briefly construction and working of Scintillation Counters.	07
Q-6	Attempt all questions	(14)
	a) Discuss briefly about various types of conservation laws and symmetry of elementary particles with suitable examples.	07
	b) What is plasma? Explain plasma confinement in detail.	07
Q-7	Attempt all questions	(14)
	a) Discuss fast breeder reactor.	05
	b) Discuss boiling water reactor.	05
	c) State transmutation of nuclear by α particle.	04
Q-8	Attempt all questions	(14)
	a) How pressurized water reactor works? Explain.	05
	b) Discuss solid state detectors.	05
	c) Write a short note on atom bomb with its advantages and disadvantages.	04

