

Q-5	Attempt all questions	(14)
a	Derive the expression for the Q-value for a nuclear reaction.	07
b	Compare Pressurized Water Reactor with Boiling Water Reactor.	07
Q-6	Attempt all questions	(14)
a	Describe Nuclear Reactor in detail.	07
b	How does Liquid Drop Model helps to understand Nuclear Fission process? Explain.	07
Q-7	Attempt all questions	(14)
a	Explain in detail the fundamental interactions between elementary particles.	07
b	Describe in detail: Quarks.	07
Q-8	Attempt all questions	(14)
a	Discuss in detail the Quark Model.	07
b	Write a note on the classification of elementary particles.	07

