

Q-4	Attempt all questions	(14)
	a) Differentiate between forced draught and induced draught system in cooling tower.	06
	b) Draw a line diagram of fluidized bed combustion system where steam turbine is used as a prime mover and explain its working.	08
Q-5	Attempt all questions	(14)
	a) A central power station has annual factors as follows. Load factor = 60%, capacity factor = 40% and use factor = 45%. power station has a maximum demand of 15000 KW. Determine the annual energy production, reserve capacity over and above peak load hours per year not in service.	06
	b) Explain the various draught systems with a neat sketch.	08
Q-6	Attempt all questions	(14)
	a) Describes the boiling water reactor with the help of neat sketch and explain its chief characteristics.	07
	b) Write the short note on: Ash handling system.	07
Q-7	Attempt all questions	(14)
	a) What are the desirable properties of a good moderator?	04
	b) Draw a schematic diagram of a hydro plant.	04
	c) What are the advantages and disadvantages of diesel power plants?	06
Q-8	Attempt all questions	(14)
	a) Write the short note on: CANADA Deuterium- Uranium reactor (CANDU).	07
	b) Point out the Cogeneration systems.	04
	c) Explain the fixed costs and operating costs of a power station.	03

