(3 Hour		Total Marks: 80
<u>N.B.</u>		
	. Question No. 1 is Compulsory.	The state of the s
2	Attempt any Three Questions from remaining Five Questions	(8) (8)
	. Assume Suitable Data if needed and Justify the Same	
4	. Figures to the right indicate full marks.	
Que.1		8
a)	Explain Chernobyl Disaster	[05]
b)	Explain in detail Classification of fires	[05]
c)	Explain different types of relief.	[05]
d)	Explain Safety precautions for working on pipelines	[05]
Oue 2		
Que.2 a)	Explain Root Cause Analysis (RCA) and Event tree analysis	5 [10]
b) <	Explain in detail Process safety Hierarchy	[10]
	Explain in detail 1 locess safety including	
Que.3		5,
a)	Explain Accident prevention and control techniques	[10]
b)	Explain in detail Phases of industrial hygiene	[10]
Que.4		
a)	Explain Fire and Explosion prevention methods	[10]
b)	Explain Different types of portable fire extinguishers	[10]
Que.5		[10]
a)	Explain characterization of reactive chemical using calorimeter	[10]
(b)	Write short note on causes of dust explosions and controls	[10]
Que.6	Write short note on	[20]
a)	Hazard and Operability Studies (HAZOP)	[20]
b)	BLEVE	
c)	Bhopal disaster (1984)	
d)	Carbon-dioxide flooding system	
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