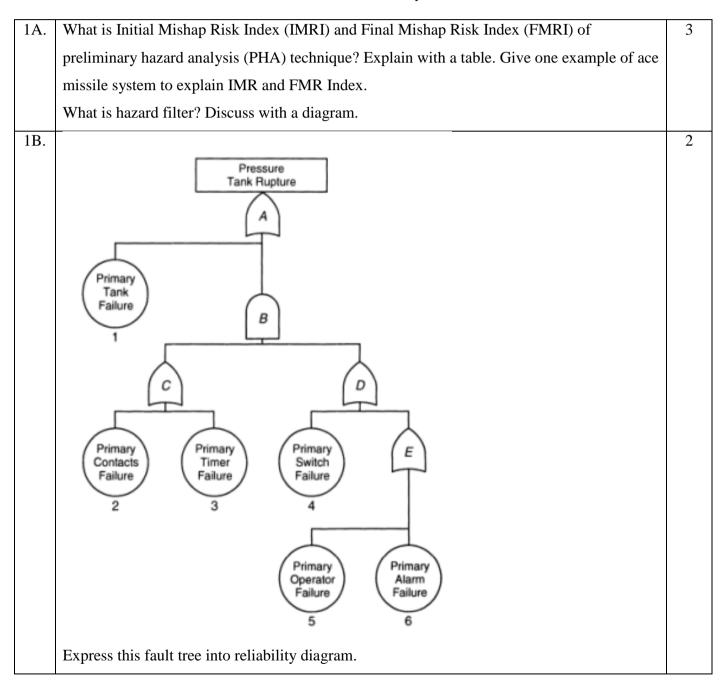
## VII SEMESTER B. TECH (CHEMICAL ENGINEERING) END SEMESTER EXAMINATION

## SUBJECT: RISK AND SAFETY MANAGEMENT IN PROCESS INDUSTRIES (CHE 4071) REVISED CREDIT SYSTEM

Date: 22/12/2021 Time: 75 min (9.20AM to 10.35AM) MAX. MARKS: 20

Note: Answer ALL the questions.



1C	Express this Voting gate in vane diagram. Express equivalent gate symbol using AND or OR gate. Finally calculate P (E).  Give an example of Exclusive OR gate. Express equivalent gate symbol using AND or OR gate.	5
2A.	What are the difference among pinch point, squeeze point and run-in plant point?	3
	Discuss when static dissipative and dielectric electric overshoes are used. Discuss with example.	
2D		2
2B.	List 4 characteristics, which a guard or safety device should have.	
2C.	Discuss about Flixborough UK Cyclohexane Disaster. Mention the following points:	5
	a. Describe the plant with the basic reactions and flow diagram.	
	b. Identify the root cause of disaster. Discuss the points, which lead to the accident.	
	c. Discuss the consequence.	