ADVANCED DIPLOMA IN FIRE SAFETY MANAGEMENT (Affiliated to West Bengal State Council of Technical & Vocational Education and Skill Development)

Course Structure 1 Year (Full Time) Course

1st SEMESTER:

Subject Code	Subject of Study		tact rs	Marks Allotted			
		Th	Tu	Theory	Internal Assessment	Total	
Theoret	ical Papers						
	Basics of Fire Science			, , , , , , , , , , , , , , , , , , , ,			
FSM – 101	Group A: Chemistry of Fire						
	Group B: Physics of Fire						
Σ	Group C: Fire Science						
FS	Group D: Products of Combustion						
	Overall	50	10	70	30	100	
	Fire Risk in Hazardous Elements		•				
	Group A: Fire Risk in Explosives, Plastics						
7	& Rubbers, Radioactive Materials						
.10	Group B: Fire Risk in Flammable Liquids						
FSM- 102	and Gases & Dust						
FS	Group C: Electricity and Fire Risks						
	Group D: Aircraft & Ship Fire						
	Overall	50	10	70	30	100	
	Fire Fighting Agents & Appliances						
	Group A: Fire Fighting Agents						
	Group B: Fire Fighting Equipments						
100	Group C: Fire Service Equipments -						
FSM – 103	Pumps, Hoses, Ladders, etc.						
FSN	Group D: Personal Protective						
	Equipments		1				
	Overall	50	10	70	30	100	
	Fundamentals of Fire Protection & Control Technology						
104	Group A: Hydraulics and Water Relay						
FSM – 104	Group B: Fire Hydrant System and						
FSR	Sprinkler System						
	Group C: HV & MV Water Spray and						

	Foam System					
	Group D: Fire Detection & Alarm					
	System					
	Overall	50	10	70	30	100
	Fire Safety in Buildings					
	Group A: Building Studies					
FSM - 105	Group B: Smoke Movement in Building					
	Group C: Heating, Ventilation & Air					
FSN	Conditioning System					
	Group D: Fire Safety Requirements					
	Overall	50	10	70	30	100
	Fundamentals of Industrial Safety					
	Group A: Safety Hazards					
106	Group B: Safety Incidents					
FSM- 106	Group C: Personal Protective Equipments					
<u>S</u>	Group D: Behaviour Based Safety					
	Overall	50	10	70	30	100
Session	al Papers					
FSM – 107	Practical/ Field Training		100		200	200
	Total		460	420	380	800
	Dissertation		250		200	200
FSM - 108	(would be conducted concurrently throughout the Semester)					
	Total (1 st Semester)		710	420	580	1000

2nd SEMESTER:

Subject Code	Subject of Study		tact rs	Marks Allotted		
		Th	Tu	Theory	Internal Assessment	Total
Theoret	ical Papers					
	Industrial Safety Management	1	-			
FSM - 201	Group A: Safety Philosophy					
	Group B: Safety Organisations					
	Group C: Safety in Construction					
<u> </u>	Group D: Occupational Health					
	Overall	50	10	70	30	100
	Fire & Industrial Safety Management & Adm	inistr	ation			
	Group A: Safety Management					
302	Group B: Safety Administration					
1	Group C: Fire Service Management					
FSM – 202	Group D: Fire Service Ground Operation					
ш.	and Administration					
	Overall	50	10	70	30	100
	Fire Prevention & Life Safety					
_	Group A: Means of Egress					
FSM – 203	Group B: Fire & Evacuation Drill					
Σ	Group C: Various Rescue Techniques					
£	Group D: First Aid & Resuscitation					
	Overall	50	10	70	30	100
	Risk Assessment & Safety Audit			•		
	Group A: Risk Assessment					
204	Group B: Safety Audit					
FSM – 204	Group C: Emergency Management Plan					
FSI	Group D: Routine Inspection and Reporting					
	Overall	50	10	70	30	100
	Design Engineering and Drawing of Fire Prot	ectio	n Syste	em		
	Group A: Basic Principles of Drawing					
FSM – 205	Group B: Design Basis with Schematic Diagram of Fire Protection & Detection System					
FS	Group C: Foam Based Protection System					
	Group D: Chemical Based Fire Protection System					
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	Overall	50	10	70	30	100
907	Fire & Industrial Safety Management Legislation					
	Group A: Fire & Industrial Safety Acts & Rules					
FSM - 206	Group B: NBC of India Part 4					
"	Group C: Fire Safety Standards					
	Group D: Fire Safety Policy & Guidelines					
	Overall	50	10	70	30	100
Session	al Papers					
FSM – 207	Practical/Field Training		100		200	200
	Total		460	420	380	800
FSM - 208	Internship		250		200	200
	Total (2 nd Semester)		710	420	580	1000

GRAND TOTAL	12 months	2000

Th: Theoretical Tu: Tutorial