

**MAHARASHTRA STATE BOARD OF VOCATIONAL EXAMINATIONS, MUMBAI – 400 051**

1	NAME OF THE SYLLABUS	<b>C. C. IN. SECURITY &amp; FIRE PREVENTION TRAINING (411124)</b>																																															
2	MAX NO. OF STUDENT	25 Students																																															
3	DURATION	6 month																																															
4	TYPE	Part time																																															
5	NOS. OF DAYS/ WEEK	6 Days																																															
6	NOS OF HOURS / DAYS	4 Hrs																																															
7	SPACE REQUIRED	Class Room = 200 Sq. ft. Laboratory = 100 Sq. ft. <u>Open Ground for drills = 5000 Sq. ft.</u> Total Place Required = 5300 Sq. ft.																																															
8	ENTRY QUALIFICATION	SSC.																																															
9	OBJECTIVE OF SYLLABUS / INTRODUCTION	<ul style="list-style-type: none"> <li>• He can have his own venture of TRADING &amp; TRAINING</li> <li>• He can get Job in any Establishment.</li> </ul>																																															
10	EMPLOYMENT OPPORTUNITY	Job opportunities in related Establishment.																																															
11	TEACHERS QUALIFICATION	<ul style="list-style-type: none"> <li>• Sub fire officer course from NFSC &amp; above qualification.</li> <li>• The faculty should have Government recognized Diploma on the subject of same trade from India or abroad.</li> </ul>																																															
12	TRAINING SYSTEM	<b>Training System Per week</b> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Theory</td> <td>Practical</td> <td>Total</td> </tr> <tr> <td>06 Hrs</td> <td>18 Hrs</td> <td>24 Hrs</td> </tr> </table>						Theory	Practical	Total	06 Hrs	18 Hrs	24 Hrs																																				
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<b>SR. NO.</b>	<b>THEORY - I Industrial Security Function</b>	<b>PRACTICAL – I Industrial Security Functions</b>
1	<b>Meaning of Security</b> – code of Conduct, Security consciousness – Delinquency, theft, Robbery, Mischief, Criminal Trespass, means of protection Prevailing Act in the Country– state & central act.	Proper Wearing of Dress – From Head to Toe, Duties in different Situation – State & Central Act about Security. Film on Subject of Theft and their Prevention.
2	<b>Types of Security</b> – physical security, internal security, industrial & Commercial security.	Aims, duties at different locations.
3	<b>Physical Fitness</b> – Correct way of standing at attention, salute and salutation, etiquettes	Physical Fitness Exercise–, Correct way of standing at attention, Position of Various parts of body, Salute and Salutation, correct walking, eating habits, Speaking to public, when and how to speak
4	Duties & Responsibilities of Security Personnel	Type and technique of patrolling
5	Register maintain at gate office	Format of register – how to maintain
6	<b>Crowd Control</b> – Types of Crowd, Significance of Crowd, Strength of Crowd, Methods of controlling	Demo of Crowd Control Handling Film on Crowd Control & positive handling of Crowd.
7	<b>Examination/ Identification of Documents</b> – Identification of I.D. , Passport, Smart card	Demo of Examination/ Identification of Documents
8	<b>Identification of Explosive Device</b> – working , Type , Shape and action	Identification of IED and Explosive material. Film on Explosive. Introduction by Charts on the subject.
9	<b>Introduction of Electronic Devices use for security application</b>	Practical working of door Mattel Detector Hand Hold Mattel Detector, Bio metric Device etc.
10	<b>First Aid</b>	Demonstration on First Aid for injury, fracture, burns, drowning in water, CPR(Cardio Pulmonary resuscitation) Film on First Aid
11	<b>ACTS</b> <ul style="list-style-type: none"> <li>• Arms Act,</li> <li>• Explosive Act,</li> <li>• Indian penal code</li> <li>• Psara Act, 2005 &amp; Rules 2007,</li> </ul> The Maharashtra Private Security Guards ( Regulation Of Employment And Welfare) Act, 1981, The Private Security Agencies (Regulation) Act, 2005	
12	<b>Project Work</b>	<ul style="list-style-type: none"> <li>• Formation of Mutual Aid Committee and introducing the Self Help Group.</li> </ul>
13	<b>Case studies</b>	<ul style="list-style-type: none"> <li>• Security lapses like 11<sup>th</sup> July and 26 syllabus attacks and other fact cases because of security lapses.</li> </ul>

<b>SR. NO.</b>	<b>THEORY - II Fire Prevention</b>	<b>PRACTICAL - II Fire Prevention</b>
1	<b>Fire Fighting</b> – Chemistry of Combustion identification of Fire, action in case of fire and using the Proper Extinguisher.	How Combustion takes Place Film on combustion of fire.
2	Different Types of Fire– Class A, B, C, D, E	Film on extinguishing different type of fires.
3	Extinguishing Methods of Fire cooling, smothering and starvation.	Practical
4	Causes of Fire in the different industries and their prevention.	Practical on Good House Keeping and the Film on the Subject
5	Personnel Protective Equipments	Practical on wearing of PPE and their proper use
6	Portable Extinguishing Medias and their need and Fire Prevention & Fire Fighting.	Films on all the Related Subject
7	Analyze The Stage of Fire And To Study The Fire Spread and checklist for Fire Prevention in Industry.	Preparing Check List
8	Knowledge of Different Types of Fire Extinguishers & Their Uses And Maintenances	Practical Operations Maintenance
9	Introduction and use of Small Gears, Tools And Equipments Used In Fire Fighting	Small – gears Ladder, Hydrant and Fitting
10	Defensive Driving	For Drivers Only
11	Rescue and Rescue Devices & Methods	Practical on Firemen Lift Rescue From Smoke Filled Room
12	ACTS 1. The Factory Act, 1948 2. The Maharashtra Fire Prevention and Life Safety Measures Act, 2006.	
13	Different Types of Hydrants – Knowledge Of Their Operational Procedure	
14	General Safety Awareness	
15	Safety Works – Excavation Gas Cutting, Welding Etc All Precautionary Measures To Be Taken For Work, House Keeping, Work Permit System	Fire / Safety arrangement
16	Salvage	
17	Water Relay	
18	Watch Room Procedure	Rules & Regulation – Attending Fire Call
19	Foam & Foam Equipment	Demo On Proper Use
20	Ropes & Lines	Practical of Proper Use
21	Project Report	Fire Report Preparation on A, B, C, D & E Class Fires

22	Water Arrangement	From 1. Well 2. River 3. Fire 4. Rescue From Smoke filled Room with Roap Signals
23	Entering And Coming out of Smoke Filled Room	
24	Project Work	Fire Safety norms implementation for total Fire Prevention.
25	Case Studies	Serious Fire in petroleum premises hotels, multi-story building, Gas leakage.

<b>LIST OF TOOLS &amp; EQUIPMENT REQUIRED FOR TRAINING</b>	<ul style="list-style-type: none"> <li>• Safety Gear – Hearing /Head/Foot/Hand and Arm/ Eyes and Face Protection 2 Sets of each</li> <li>• Safety Signs (Different Charts)</li> <li>• Fire Fighting Equipment (Delivery Hose with Cupplings - 3</li> <li>• Short Branch - 1</li> <li>• Defuger Branch - 1</li> <li>• Landon Pattern Hand Control Branch - 1</li> <li>• First Aid Equipments -1 box</li> <li>• Fire Extinguisher of Water/ DCP/Foam/ Co2 - One each</li> <li>• Fire Helmet - 6</li> <li>• Safety shoes - 6 Pairs</li> <li>• Heat Resistant Gloves - 6 Pairs</li> <li>• Safety Goggles - 6</li> <li>• Ear Plugs - 6 Sets</li> <li>• Safety Belts - 6</li> <li>• Detector – Fire , Smoke, Heat - 1 each</li> <li>• 20 Minutes Fire Proof Uniform</li> <li>• Fire Alarm (Manual &amp; Automatic ) 1 + 1</li> <li>• Aluminum Fire Suit - 1</li> <li>• Fire Resistant Material – 1 Set</li> <li>• Flammable with Flame Proof, spark Proof equipment and tools – 1 Set</li> <li>• Breathing Apparatus –1</li> <li>• Structure – 2</li> <li>• Housekeeping Equipment – 1 Set</li> </ul>
<b>LIST OF REFERENCES BOOKS</b>	<ul style="list-style-type: none"> <li>• Surksha Laghukosh written by Dr. Joginder Singh Kahaan</li> <li>• Agni Shaman ke Mulbhut Siddhant written by Mr. Suresh Prasad</li> <li>• Manual of Firemen ship from Vol- I to Vol – VII</li> <li>• Technology of Fire written by Mr. Ghosh</li> <li>• Books and notes prepared by Institute of Security of Fire Technology &amp; Institute of Fire Technology</li> </ul>
<b>THEFT OR PILFERAGE / FIRE REPORT</b>	Practical on Preparation of the Report to be submitted within 24 Hrs.

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