

Divisional/ District Fire Officer

1. Fire Ground Hydraulics and water management
 - 1.1 Nozzle discharge (pressure and Flow)
 - 1.2 Friction losses
 - 1.3 Application of Bernoulli's Principle
 - 1.4 Pumps and its Operations
2. Special Fire Appliance
 - 2.1 HAZMAT Van
 - 2.2 DCP tender
 - 2.3 Foam Tender
 - 2.4 Hydraulic Aerial platform/ Turn table ladder
 - 2.5 Breathing Apparatus Van
 - 2.6 Air Crash Tender
 - 2.7 Emergency Tender
 - 2.8 Multifunctional Rescue Crane tender
3. Special Rescue Tools
 - 3.1 Hydraulic tools
 - 3.2 Pneumatic tools
 - 3.3 Mechanical Tools
 - 3.4 Underwater Apparatus
4. Breathing Apparatus
 - 4.1 Types of Breathing Apparatus
 - 4.2 Calculation Of working time
 - 4.3 Entrap Procedure
 - 4.4 Practical use of Breathing Apparatus
5. Positive Pressure Ventilation
 - 5.1 Deciding volume and requirements of Ventilations
6. Fire Service Administration
 - 6.1 Record Keeping
 - 6.2 Tendering Process
 - 6.3 Format of Notice for violation
7. Plan Reading
 - 7.1 Identifying Symbols of various fire system installation etc.
 - 7.2 Travel Distance
8. Urban Search And Rescue
 - 8.1 Mitigation and Planning
 - 8.2 Communication
 - 8.3 All types of Search Cameras
 - 8.4 Rope Rescue equipments
 - 8.5 First Aid and Resuscitation
9. HAZMAT – Chemical accidents and Containment
 - 9.1 Types of Typical Chemicals used in transportation

- 9.2 Care and maintenance of Fire Extinguishers
- 9.3 Working pressure, Standard and hydro pressure test
- 10. Detection System
 - 10.1 Fire Heat and Smoke
- 11. Special service Call
 - 11.1 Sever Rescue
 - 11.2 Gas and Chemical Leakage
 - 11.3 Building Collapse
- 12. Ladders
 - 12.1 All types of Ladder
 - 12.2 Ladder Testing
 - 12.3 Care and Maintenance
- 13. Breathing Apparatus and Airline equipments
 - 13.1 Care and Maintenance
 - 13.2 Testing
 - 13.3 Uses
- 14. Fire Entry Procedure
- 15. Fire Ground Communication
 - 15.1 Information to control room
 - 15.2 Demand of various vehicles as required
 - 15.3 Water Supply and Management
- 16. Tactical Drills and Commands
 - 16.1 Word of Commands
 - 16.2 Different type of Drills(hose, pump, ladder, water tender etc)
- 17. Entrapment Procedure
- 18. Knots and Lines
 - 18.1 All types of rescue notes

Station Fire Officer

—: ज्ञान भवन मन्त्रालय :-

1. Chemistry Of Fire
 - 1.1 Triangle of Fire
 - 1.2 Classification Of Fire
 - 1.3 Chemical Chain Reaction
2. Hydraulics
 - 2.1 Nozzle discharge (pressure and Flow)
 - 2.2 Friction Loss
 - 2.3 Volume of different Shapes and sizes of containers
3. Pump Operations and testing
 - 3.1 Classification Of Pumps
 - 3.2 Advantages and Types of Centrifugal Pumps
 - 3.3 Deep lift pumps
 - 3.4 Care and Maintenance of Fire pumps
4. Small Gears
 - 4.1 All types of Saw
 - 4.2 Petrol and Electrical cutting tools
 - 4.3 Lighting equipment
 - 4.4 Types of Breaking tools
5. Foam And Foam Making Equipment
 - 5.1 Types of Foam
 - 5.2 Foam Making Branches
 - 5.3 Foam Making Generators
 - 5.4 Expansion ratios of different foam making equipment
6. Practical Fireman ship
 - 6.1 Force Entry
 - 6.2 Ventilating fire spot
 - 6.3 Rescue techniques
7. Fire Service Appliances
 - 7.1 DCP tender
 - 7.2 Foam Tender
 - 7.3 Hydraulic Aerial platform/ Turn table ladder
 - 7.4 Breathing Apparatus Van
 - 7.5 Emergency Tender
8. Fix Fire Fighting Installations
 - 8.1 Sprinkler system
 - 8.2 Hydrant system
 - 8.3 Pump House
 - 8.4 Fixed Monitors
 - 8.5 Smoke detection system
9. Fire Extinguishers
 - 9.1 Classification of Fire Extinguishers

- 9.2 Chemical Sealing Equipment Types
- 9.3 Basic Chemistry
- 9.4 Methods of Dilution and Decontamination
- 10. Fire Ground Communication
 - 10.1 Information to control room
 - 10.2 Demand of various vehicles as required
 - 10.3 Water Supply and Management
- 11. Tactical Drills and Commands
 - 11.1 Word of Commands
 - 11.2 Different type of Drills(hose, pump, ladder, water tender etc)
- 12. NBC Part-IV Fire Protection System
 - 12.1 Classification of Buildings
 - 12.2 Active and Passive Fire Protection system in Various Occupancies
 - 12.3 Special/ Mixed Occupancies

Fire Wireless Officer

- Wireless Communication
Propagation Model, Multiple Access Technique
- Mobile Communication.
GSM, and Wireless Network
- Antenna and Wave Propagation
Antenna Basic – Design,
- Analog / Digital Communication and System
Analog and Digital Conversation
Digital modulation
Modulation techniques
AM, FM, SSB, Pulse Modulation, Time Modulation
Radio Signal and Transmission Theory
- Low/High/Multi frequency transmission
- Magneto Statics
- Transmission Line
- Cable, Connectors, Switches
- Semi Conductor Device
- Magnetic and Di-electric device
- Basic Electronics and Circuits
- Principal of communication
- Radio Receiver.

Leading Fireman

—: निम्न श्रेणी अध्यास :-

1. Hose and Hose Fitting
 - 1.1 Classification
 - 1.2 Care and Maintenance
2. Ladders
 - 2.1 All types of Ladder
 - 2.2 Ladder Testing
 - 2.3 Care and Maintenance
3. Fire Extinguishers
 - a. Classification of Fire Extinguishers
 - b. Care and maintenance of Fire Extinguishers
 - c. Working pressure, Standard and hydro pressure test
4. Breathing Apparatus
 - a. Care and Maintenance
 - b. Testing
 - c. Uses
5. Ward of Command for Drill and Fire Ground Operation
 - 5.1 Information to control room
 - 5.2 Demand of various vehicles as required
 - 5.3 Water Supply and Management
 - 5.4 Explanation of All type of Drill command
6. Knots and Lines
 - 6.1 All types of rescue notes
7. Care and Maintenance of Fire equipments
 - 7.1 All types of Pumps
 - 7.2 All types of Cutting Tools
8. Small Gear and Operation
 - 8.1 All types of Saw
 - 8.2 Petrol and Electrical cutting tools
 - 8.3 Lighting equipment
 - 8.4 Types of Breaking tools
9. Discipline
- 10 Watch Room Procedure
 - 10.1 All register maintenance
 - 10.2 Fire Call / Rescue call and Fire Station monitoring

11. Foam And Foam Making Equipment

11.1 Types of Foam

11.2 Foam Making Branches

11.3 Foam Making Generators

Driver Cum Pump Operator

—: Total 2271 24021254 :-

1. Operation of Auxiliary equipments
2. Fire Pump Operation
3. IC Engine and Chassis Maintenance.
4. Automatic and Manual Transmission PTO operation

Fireman Cum Driver

1. Hose and Hose Fitting — જિયલ થયેલ સ્પષ્ટીકરણ :-
- 1.1 Classification
 - 1.2 Care and Maintenance
2. Ladders
- 2.4 All types of Ladder
 - 2.5 Ladder Testing
 - 2.6 Care and Maintenance
3. Fire Extinguishers operation
- 3.2 Classification of Fire Extinguishers
 - 3.3 Care and maintenance of Fire Extinguishers
 - 3.4 Working pressure, Standard and hydro pressure test
4. Breathing Apparatus
- 4.2 Care and Maintenance
 - 4.3 Testing
 - 4.4 Uses
5. Knots and Lines
- 5.1 All types of rescue knots
6. Care and Maintenance of Fire equipments
- 6.1 All types of Pumps
 - 6.2 All types of Cutting Tools
7. Small Gear and Operation
- 7.1 All types of Saw
 - 7.2 Petrol and Electrical cutting tools
 - 7.3 Lighting equipment
 - 7.4 Types of Breaking tools
8. Discipline
9. Watch Room Procedure
- 9.1 All register maintenance
 - 9.2 Fire Call / Rescue call and Fire Station monitoring
10. Foam And Foam Making Equipment
- 10. Types of Foam
 - 10.2 Foam Making Branches
 - 10.3 Foam Making Generators
11. Hydrant

- 11.1 Classification
- 11.2 Care and Maintenance
- 12. Practical Fireman ship
 - 18.1 Force Entry
 - 18.2 Ventilating fire spot
 - 18.3 Rescue techniques
- 13. Salvage
 - 13.1 salvage at fire ground
- 14. Fire Drill
 - 14.1 All type of Practical Drill
- 15. Fire Pump Operation – Portable / Inbuilt and Water source

:- મ્યુનિસિપલ ડેપુટી એકાઉન્ટન્ટની પરીક્ષાનો અભ્યાસક્રમ :-

(૧) સ્પર્ધાત્મક લેખિત પરીક્ષા.

(A) જાહેરાત ક્રમાંક / નો અભ્યાસક્રમ- ગુણભાર નીચે મુજબનો રહેશે.

ક્રમ	વિષય	ગુણ	સમયગાળો
૧	(૧) સામાન્ય વિજ્ઞાન, (૨) ગુજરાતનો ઇતિહાસ, (૩) ગુજરાતની ભૌગોલિક બાબતો તથા કુદરતી સંપત્તિ (૪) ગુજરાતની ખેતી અને ઉધોગો (૫) ગુજરાતનો સાંસ્કૃતિક વારસો-સાહિત્ય, કલા, ધર્મ, (૬) ખેલ જગત, (૭) ગુજરાતની રાજનીતિ, (૮) પંચાયતી રાજ, (૯) મહાગુજરાત આંદોલન-સ્થાપના અને ત્યાર બાદની મહત્વની ઘટનાઓ, (૧૦) વિવિધ ક્ષેત્રે દેશમાં મહિલાઓનો ફાળો, (૧૧) ભારતનું બંધારણ, (૧૨) તાજેતરના મહત્વનાં રાષ્ટ્રીય/આંતરરાષ્ટ્રીય મુદાઓ/બનાવો, (૧૩) પર્યાવરણ, (૧૪) સરકારી યોજનાઓ, (૧૫) ડીઝાસ્ટર મેનેજમેન્ટ, વિગેરે.	૭૫	૧૨૦ મિનીટ
૨	ગુજરાતી વ્યાકરણ	૧૫	
૩	અંગ્રેજી વ્યાકરણ	૧૦	
૪	(૧) નામાંપદ્ધતિ, (૨) આંકડાશાસ્ત્ર (૩) ગણિત (૪) અર્થશાસ્ત્ર-ગુજરાત અને દેશની અર્થવ્યવસ્થા, (૫) જાહેર વહીવટ (૬) સામાન્ય બૌદ્ધિક કસોટી (૭) કોમ્પ્યુટરને લગતું સામાન્ય જ્ઞાન વગેરેનો સમાવેશ થશે.	૫૦	
કુલ ગુણ		૧૫૦	

:- કલાર્કની પરીક્ષાનો અભ્યાસક્રમ :-

(૧) સ્પર્ધાત્મક લેખિત પરીક્ષા.

(A) જાહેરાત ક્રમાંક

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નો અભ્યાસક્રમ- ગુણભાર નીચે મુજબનો રહેશે.

ક્રમ	વિષય	ગુણ	સમયગાળો
૧	(૧) સામાન્ય વિજ્ઞાન, (૨) ગુજરાતનો ઇતિહાસ, (૩) ગુજરાતની ભૌગોલિક બાબતો તથા કુદરતી સંપત્તિ (૪) ગુજરાતની ખેતી અને ઉધોગો (૫) ગુજરાતનો સાંસ્કૃતિક વારસો-સાહિત્ય, કલા, ધર્મ, (૬) ખેલ જગત, (૭) ગુજરાતની રાજનીતિ, (૮) પંચાયતી રાજ, (૯) મહાગુજરાત આંદોલન-સ્થાપના અને ત્યાર બાદની મહત્વની ઘટનાઓ, (૧૦) વિવિધ ક્ષેત્રે દેશમાં મહિલાઓનો ફાળો, (૧૧) ભારતનું બંધારણ, (૧૨) તાજેતરના મહત્વનાં રાષ્ટ્રીય/આંતરરાષ્ટ્રીય મુદાઓ/બનાવો, (૧૩) પર્યાવરણ, (૧૪) સરકારી યોજનાઓ, (૧૫) ડીઝાસ્ટર મેનેજમેન્ટ, (૧૬) જાહેર વહીવટ (૧૭) સામાન્ય બૌદ્ધિક કસોટી (૧૮) કોમ્પ્યુટરને લગતું સામાન્ય જ્ઞાન વિગેરે.	૧૦૦	૧૨૦ મિનીટ
૨	ગુજરાતી વ્યાકરણ	૨૫	
૩	અંગ્રેજી વ્યાકરણ	૨૫	
	કુલ ગુણ	૧૫૦	