



Associate Examination Syllabus 2017

Prescription

The Associate examination draws on a wide range of knowledge and on specific activities relevant to urban, rural and operational support firefighters operating with over three years of experience, and to demonstrate the ability to use this knowledge in evaluating and implementing tactics in live situations.

Format

The paper has three sections:

1. Multi Choice – Compulsory
2. Written Answer – Compulsory
3. Written Answer – Elective

Assessment Methods

The assessment takes the form of one written three-hour examination. The examination contains a compulsory multiple choice section, a compulsory written answer section and an elective written answer section.

Section	Subject	Option	Requirement	Total Marks
1	Multi Choice	Compulsory	Answer all questions	30
2	Urban Fire	Compulsory	Answer all questions	20
	Rural Fire	Compulsory	Answer all questions	20
	Common Operations	Compulsory	Answer all questions	20
3	Equipment	Optional	Answer any three of the six subjects	20 marks each
	Fire Science	Optional		
	Fire Investigation	Optional		
	Fire Risk Management	Optional		
	Urban Operations	Optional		
	Rural Operations	Optional		
TOTAL MARKS AWARDED				150

Learning Outcomes

Studying for this unit provides the opportunity to develop knowledge in applied operational aspects of firefighting activities and techniques. Candidates who achieve this examination should be able to:

- Identify and describe firefighting equipment and the relevant uses and tasks for this equipment
- Interpret fire behaviour and apply relevant methods of extinguishing fire based on the situation
- Demonstrate good professional practice relevant to firefighting operations
- Identify deficiencies and assist with ensuring that a safe working environment is provided during firefighting operations
- Describe fundamental aspects of scene preservation and basic fire investigation techniques
- Describe fundamental aspects of community risk management and reduction activities

Learning outcomes will be realized through self-directed learning and study, supported by access to online resource material.

Study Material

The examination resources list covers the topics likely to be included in the examination.

The reference material is drawn from NZFS Firenet and the NRFA website, and may be located by using the search function within each website.

The study documents are directly available through [Dropbox](#).

Pass Mark

60% or 90 marks are required to pass.

Examination resources

Subject	Topic	Reference Material
Urban Fire	Operational References	Drill Procedure Forced Entry Procedure Positive Pressure Ventilation Technical Manual – Section 2: Operations Uniform and PPE Manual Respiratory Protection Equipment
Urban Fire	Hazardous Materials	Hazmat Action Guide Hazmat Technical Manual – Appendix A: Science
Common Operations	Equipment	Hose Technical Manual Land Mobile Radio Communications Procedure Pump Operation Technical Manual – Section 13: Portable Pumps
Common Operations	Motor Vehicle Rescue First Aid	Motor Vehicle Crash Technical Manual: Section 1 – Scene Management First Aid Technical Manual
Common Operations	Controlled Burns in Rural Areas	Controlled Burn Safety Precautions
Common Operations	Fireground Safety	Operational Safety
Rural Fire	Incident Ground Supervision	Lead a Vegetation Fire Crew

Subject	Topic	Reference Material
Rural Fire	Operational Tasks	Establish and Deliver Water Supplies Using Light Pumps Load Water and Additives for Aerial Operations Vegetation Fire Environment
Rural Fire	Equipment	Communicate in the Outdoors Using Two-way Radio Dry Firefighting Techniques – Use of Hand Tools Use of Water and Additives
Fire Science	Principles of Fire Science Ventilation	Introduction to Fire Behaviour Fire Science and Ventilation <ul style="list-style-type: none"> • Section 1: Principles of Fire Science • Section 3: Ventilation
Fire Investigation	Principles of Fire Investigation	Fire Investigation and Reporting Procedure Scene Preservation
Fire Risk Management	Built Environment	Building Construction
Fire Risk Management	Community Initiatives	Community Education Community Fire Risk Management