



2011 EXAMINATIONS

UNIT 6

FIREFIGHTING 2

Saturday 3rd September 2011

FIRST SESSION 0900 to 1100 hours

Ten minutes are allowed to read through the paper.

Candidates are to **attempt any five questions.**

Questions may be answered in any order.

Ink or ballpoint pens are to be used for all written work.

Pencil may be used for diagrams or sketches.

All working must be shown.

Marks may be deducted for untidy work.

Spare paper can be obtained from the invigilator if required

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Candidate Number

QUESTION 1

Initial actions at a motor vehicle crash carried out by the first arriving pump appliance or the pump rescue tender is an important activity undertaken prior to any patient extrication.

a) List and briefly describe five (5) reasons for vehicle stabilisation. **(10 marks)**

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QUESTION 2

Incidents that involve operations in confined spaces present significant hazards to all personnel.

a) List and briefly describe ten (10) hazards that may be encountered.

(10 marks)

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b) Briefly describe the control measures that could be put in place to eliminate, isolate or minimise each hazard listed above. **(10 marks)**

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QUESTION 3

The NZFS is often first responded to medical emergencies. On arrival, a primary survey is always undertaken and if required, a secondary survey of the patient is undertaken.

- a) Briefly outline the five (5) key steps of a primary survey. **(5 marks)**

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- b) In a secondary survey, the two key questioning methods **P.Q.R.S.T.** (for assessing pain) and **S.A.M.P.L.E.** (for learning about past medical history and recent events) are used to obtain more in-depth information from a patient.

Expand each mnemonic into a short question you would ask the patient to assist your assessment. **(15 marks)**

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Q _____

R _____

S _____

T _____

S _____

A _____

M _____

P _____

L _____

E _____

QUESTION 4

The New Zealand Fire Service is able to assist at animal rescues. The National Commanders Instructions (No. 15)/Operational Instruction R6) outlines the hazards and a number of control measures to assist crews when dealing with incidents involving an animal rescue.

- a) List the hazards that may be encountered when dealing with animal rescues. **(10 marks)**

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b) Outline and describe ten (10) control measures the Officer in Charge should consider when conducting an animal rescue. **(10 marks)**

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QUESTION 5

During firefighting operations, the selection of tactics and tactical modes is the responsibility of the Officer in Charge and will depend on the risks involved.

Briefly define what is meant by each of these tactical options *and* describe the intent of each mode *and* the risks associated with each.

- i) Offensive Interior Attack **(5 marks)**

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- ii) Interior Cut-off **(5 marks)**

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iii) Exterior Exposure Protection

(5 marks)

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iv) Search and Rescue – Unsupported and Supported

(5 marks)

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QUESTION 6

The NZFS National Commanders Instructions (NCI 33) state that all personnel need to be familiar with the process for safe and effective operations at incidents that involve portable gas cylinders and pressurised vessels.

a) Using bullet points, outline the best practice guidelines when dealing with:

i) Leaking cylinders **(6 marks)**

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ii) Cylinders involved in fire

(6 marks)

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iii) Acetylene cylinders involved in fire

(6 marks)

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b) What advice should be given to the owner of a portable cylinder that has been involved in fire? **(2 marks)**

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