

QUESTION 1

List the missing word(s) or phrase to complete the following:

- a. Part II: Section ____ of the _____ Act 1975 states that " It shall be a matter of prime importance for the Commission to take an active and co-ordination role in the promotion of fire safety in New Zealand."
- b. Subsection (b) continues and states that the Commission shall be concerned to-
"Achieve _____ and _____ of fire safety law and practice.
- c. In Part 1 of the Fire Safety and Evacuation of Buildings Regulations 2006, Regulation 4 states that the Owner of a building must maintain _____ of _____ from fire for building.
- d. Lead melts at _____ °C
- e. Armour Plate Glass is manufactured by subjecting it to a _____ cooling process.
- f. A _____ is the uppermost horizontal member above the frame of a door or window.
- g. An _____ reaction is defined as a chemical change accompanied by a liberation of heat.
- h. In terms of fire performance the letters HRR are an abbreviation for _____ .
- i. Concrete is usually made from a combination of _____, sand, blue metal aggregate (building mix) and _____.
- j. _____ is the term used to describe the ability of a material to increase in size and or length when heated.

QUESTION 3

The "C'mon Seniors Get Firewise" programme lists 10 points to carry out when doing a night fire check. List any eight and discuss one in detail outlining the reasons for such a practice:

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QUESTION 4

When conducting a fire investigation, an investigator will often look for what is referred to as a "Vee Pattern" as well as looking at the intensity of charring of objects in the fire area. Describe these two elements and discuss the significance and relevance of both in establishing the cause and origin of a fire.

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- (2)
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QUESTION 5

Worldwide, local building controlling authorities are encouraging the installation of home sprinklers in new residences. The effectiveness of such a system is now proven.

With the aid of a drawing, describe a home sprinkler system.

QUESTION 6

You are asked by a local community group to give a brief talk on winter fire safety. List eight points you would include in your presentation.

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- (4)
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- (5)
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- (6)
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- (7)
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- (8)
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QUESTION 7

Draw a Fire Action notice for display in a building as part of an Evacuation Procedure or an Evacuation Scheme. Give a brief description of the relevance of any information on the notice.