

L3D6



THE INSTITUTION OF FIRE ENGINEERS
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IFE Level 3 Diploma in Fire Science and Fire Safety Unit 6: Fire Service Operations and Incident Command (L/505/6008)

Thursday 14 March 2019

14.30 – 17.30

Instructions to Candidates

1. The time allowed for this examination is **THREE** hours.
2. Candidates must answer **SIX** questions from the total of **EIGHT** questions set for this examination.
3. All questions carry equal marks and may be answered in any order. Candidates should follow the instructions provided in the question when composing their answers.
4. Candidates should record all of their answers in the answer book provided.
5. The question paper must be handed in with the answer book.

Question 1

- a) Incident Commanders should be able to identify and to manage the effects of stress on themselves and others.
- i) Explain why it is important for Incident Commanders to be aware of the impact of stress on themselves and on their crew members. (6 marks)
 - ii) Describe the coping strategies that can be employed during an incident to enable an Incident Commander to manage either their own stress or the stress of a team member. (4 marks)
- b) Explain the priorities and procedures to be followed when an Incident Commander takes the decision to withdraw all personnel from the scene of operations in an emergency evacuation. (10 marks)
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Question 2

You are the Incident Commander called to a fire that involves a building under construction.

- a) Describe the factors relevant to a construction site that can affect fire service operations. (12 marks)
- b) Describe the control measures that you would implement when tackling a fire at a construction site. (8 marks)
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Question 3

- a) You are the Incident Commander at a fire in an office building where persons are reported to be trapped. Identify and explain the priorities to be considered when formulating and implementing your tactical plan. (10 marks)
- b) Explain how a fire can breach a compartment within a building. (6 marks)
- c) Describe four ways in which a fire can spread throughout a building undetected. (4 marks)
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Question 4

- a) Describe the factors that would be taken into account when pre-planning for an incident involving a merchant ship in port. (10 marks)
- b) Explain the control measures that you would put in place if attending a merchant ship in a port with signs of a developing fire present. (10 marks)
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Question 5

Describe the factors including hazards and risks that an Incident Commander must take into account while attending an incident at a farm. (20 marks)

Question 6

Describe the roles and responsibilities of the following:

- a) Incident Commander (10 marks)
- b) Safety Officer (6 marks)
- c) Tactical Adviser (4 marks)
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Question 7

- a) State four types of investigation that may be carried out following an incident. (4 marks)
- b) Describe the actions that Incident Commanders can take to identify and preserve evidence at the scene of a fire. (8 marks)
- c) Describe the actions (other than those related to scene preservation) that an Incident Commander should take following an incident. (8 marks)
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[Please turn over]

Question 8

a) Describe the performance requirements to be taken into consideration when selecting Chemical Protection Suits.

(14 marks)

b) Briefly describe the zones used during a hazardous materials incident.

(6 marks)
