

L3D6



THE INSTITUTION OF FIRE ENGINEERS
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IFE Level 3 Diploma in Fire Science and Fire Safety (VRQ)

**Unit 6: Fire Service Operations and
Incident Command (L/505/6008)**

Monday 3 October 2016

10.30 – 13.30

Instructions to Candidates

1. The time allowed for this examination is **THREE** hours.
2. Candidates should answer **SIX** questions from the total of **TEN** 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) Describe the role of the BA Main Control Officer at an incident. (8 marks)
- b) Explain the purpose of guidelines and give an example of a situation in which they would be used. (4 marks)
- c) Describe the principles that should be applied when guidelines are in use. (8 marks)
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Question 2

- a) Define a backdraught and describe the signs associated with backdraughts. (6 marks)
- b) Explain the Incident Commander's considerations in order to reduce the risk of backdraught. (4 marks)
- c) Define a flashover and describe the signs associated with flashovers. (6 marks)
- d) Explain the Incident Commander's considerations in order to reduce the risk of flashover. (4 marks)
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Question 3

- a) What are the hazards and risks associated with a fire at a refuse site? (8 marks)
- b) Describe the factors that should be taken into account in pre-planning for a possible fire at a refuse site. (12 marks)
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Question 4

- a) Explain how dust and powder in industrial buildings can pose a risk to firefighters. (6 marks)
- b) Explain the control measures that could be put in place to mitigate the dangers and to deal effectively with a fire in an industrial building where dust and powders are present. (14 marks)
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Question 5

You are the Incident Commander at a fire at a public building. The fire has been started during a protest and rioters are still present in the area.

- a) What are the specific risks and hazards associated with this type of incident? (4 marks)
- b) Describe the control measures that you would implement. (16 marks)
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Question 6

- a) Explain the factors that should be considered when carrying out a rescue from a trench collapse. (8 marks)
- b) Describe the control measures that you would put in place. (12 marks)
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Question 7

With reference to command and control at incidents, explain the function and duties of the following key personnel:

- a) Incident Commander (10 marks)
- b) Sector Commander (5 marks)
- c) Incident Support Officer (5 marks)
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Question 8

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.

(20 marks)

[Please turn over]

Question 9

a) Explain the hazards and risks involved in a road traffic incident involving a lorry carrying food and other products for a food chain supplier. (Note: this is a single vehicle road traffic incident with the lorry on its side and the driver of the vehicle trapped in the vehicle.)

(14 marks)

b) Describe the control measures that you would put in place.

(6 marks)

Question 10

Describe and explain the actions that Incident Commanders should take when closing down an incident.

(20 marks)
