

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)

Monday 7 October 2019

10.30 – 1.30

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) Describe the main components of the Decision Control Process. (16 Marks)
- b) Explain why the Decision Control Process is important to the Incident Commander when decisions are being made at an incident. (4 marks)
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Question 2

- a) Define a backdraught and describe the signs associated with backdraughts. (6 marks)
- b) Explain the action that can be taken in order to reduce the risk of backdraught and describe the control measures that should be put in place. (4 marks)
- c) Define a flashover and describe the signs associated with flashovers. (6 marks)
- d) Explain the action that can be taken in order to reduce the risk of flashover. (4 marks)
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Question 3

- a) Describe the hazards and risks associated with a fire at a large general store/superstore where the store retails both food and domestic products. (10 marks)
- b) Describe the control measures that you would put in place if managing an incident of this type. (10 marks)
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Question 4

- a) Describe the hazards and risks associated with a fire at a refuse site. (12 marks)
- b) Describe the factors other than hazards and risks that should be taken into account in pre-planning for a possible fire at a refuse site. (8 marks)
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Question 5

You are the Incident Commander at an incident involving a road vehicle fire.

- a) Describe the information that you would gather on arrival at the incident in order to inform situational awareness and the development of your plan. (15 marks)
- b) State and describe the resources that would be needed when managing an incident involving a road vehicle fire. (5 marks)
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Question 6

- a) Rescue operations involving buildings and the natural environment are usually conducted by following six stages ie REPEAT. Describe the six stages. (12 marks)
- b) Describe the control measures that you would employ when managing an incident involving a rescue from a collapsed building. (8 marks)
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Question 7

- a) Describe the control measures that you would employ if managing an incident involving corrosive materials. (12 marks)
- b) Describe the post-incident activities you would carry out following an incident involving corrosive materials. (8 marks)
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Question 8

- a) Describe the operational arrangements to be followed when using BA Guidelines. (8 marks)
- b) Describe the factors that affect loss of telemetry. (3 marks)
- c) Describe the procedures employed by BA entry control boards/units when communicating with BA wearers during evacuation and emergency situations. (9 marks)
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