

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DIPLOMA IN CRIMINOLOGY AND
SECURITY STUDIES**

CRSS 0234: FIRE SAFETY AND PROTECTION

STREAMS: DIP (Y2S2) (ODEL)

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 07/08/2024

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS:

- **Answer question ONE and any other TWO questions**

Question One

- a) Explain your understanding on the following terminologies as used in fire safety and protection;
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|-----------------|----------|
| i) Pyrolysis | (1 mark) |
| ii) Smouldering | (1 mark) |
| iii) Smothering | (1 mark) |
| iv) Fire load | (1 mark) |
| v) Fire | (1 mark) |
- b) Describe the life cycle of a fire. (15 marks)
- c) Discuss any five causes of wildland fires in Kenya. (10 marks)

Question two

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|---|------------|
| a) Examine the components of a fire safety audit checklist. | (10 marks) |
| b) Describe the role of a fire safety committee. | (10 marks) |

Question three

- a) Evaluate the factors an organization considers in selecting a fire protection system. (10 marks)
- b) Discuss the different classes of fire and assess the type of extinguisher appropriate for each class. (10 marks)

Question four

- a) There are tactical objectives to be accomplished at every fire suppression activity regardless of the size and intensity of fire. Examine them. (10 marks)
- b) Using a fire protection on system of your choice, discuss its workability and applicability in fire safety and protection. (10 marks)

Question five

- a) Discuss the objectives of fire drill. (10 marks)
 - b) Explain the warning signs of a back-draught. (10 marks)
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