

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATIONS
CHUKA / EMBU**

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

CRSS 0234: FIRE SAFETY AND PROTECTION

STREAMS:

TIME: 2 HOURS

DAY/DATE: THURSDAY 4/12/2019

8.30 A.M – 10.30 A.M

INSTRUCTIONS

Question one is compulsory and any other two questions

Question one carries 30 marks and the others 20 marks each

SECTION A (30 MARKS)

1. (a) Identify any two reasons why flash over stage is critical. [4 marks]
- (b) Describe the lifecycle of a fire. [16 marks]
- (c) Explain any five warning signs of a back draught fire. [10 marks]

SECTION B (40 MARKS)

2. (a) Explain with relevant examples any six in-deliberate man made causes of fire. [12 marks]
- (b) Identify any four roles of a fire safety committees. [8 marks]
3. (a) Highlight the three basic factors affecting the fire load. [6 marks]
- (b) Explain the basic five prevention measures. [14 marks]
4. (a) Explain the five broad classification of fuels. [10 marks]
- (b) In each of the identified classification in 4(a) explain the type of extinguisher appropriate for each class. [10 marks]
5. (a) There are two categories of five protection systems. Explain them. [6 marks]

(b) Examine the components of a fire safety audit checklist.

[14 marks]
