

CHUKA



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CHUKA/EMBU

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

CRSS 0234: FIRE SAFETY AND PROTECTION

STREAMS: DIP CRSS

TIME: 2 HOURS

DAY/DATE: TUESDAY 30/03/2021

2.30 P.M – 4.30 P.M

INSTRUCTIONS:

(i) Answer question one and any other two questions.

(ii) Do not write on the question paper

(iii) Question one carries 30 marks and the others 20 marks each

SECTION A (30 MARKS)

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

SECTION B (40 MARKS)

2. (a) A fire drill is an important component of a fire safety strategies. Explain any fire of its objectives. [10 marks]
 - (b) With the use of relevant examples, outline the roles of a fire safety committees. [10 marks]
3. (a) Identify the factors affecting the effectiveness of a fire protection system. [10 marks]

(b) Evaluate the factors considered in choice of a fire detection and suppression systems. [10 marks]

marks]

4. (a) Highlight the three basic factors affecting fire load. [6 marks]

(b) There are different basic fire prevention measures using examples, explain them. [14 marks]

marks]

5. (a) Explain the five broad classification of fuels. [10 marks]

(b) In each of the identified classification in 5(a) above explain the type of extinguisher appropriate for each class. [10 marks]
