

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

FOURTH YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR
OF ARTS IN CRIMINOLOGY AND SECURITY STUDIES

CRSS 425: FIRE SAFETY AND PROTECTION

STREAMS: CRSS Y4S1

TIME: 2 HOURS

DAY/DATE: FRIDAY 14/12/2018

2.30 P.M - 4.30 P.M.

INSTRUCTIONS

- Answer Question ONE and any other TWO Questions
- Do not write anything on the question paper

- (a) Outline the significance of fire components. [8 Marks]
 - (b) Define a fire load and describe factors that influence it. [8 Marks]
 - (c) Outline components of Fire Safety Audit Checklist. [8 Marks]
 - (d) State the tactical objective of fire suppression. [6 Marks]
- (a) Discuss the Flash over stage of a fire cycle and state its significance. [12 Marks]
- (a) (i) State the factors for consideration when selecting a fire protection system. [4 Marks]
 - (ii) Outline factors that can impair the effectiveness of a fire protection system. [4 Marks]
- (a) Fires have been classified into five groups based on the types of fuels. Use a table to demonstrate this. [10 Marks]
 - (b) Discuss the warning signs of back draught. Justify. [10 Marks]
5. Discuss the following Fire Safety Strategies [20 Marks]
 - (i) Fire Drills
 - (ii) Fire Safety Committees
 - (iii) Fire assembly points
 - (iv) Emergency response

CRSS 425

6. Complete the table below on fire extinguishing methods.

Method	Fire component	Agent used	How the Agent works
Cooling			
Smothering			
Starving			
Interruption of combustion			

[20 Marks]

.....