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FOURTHVEAR EXAMINATION FOR THE AWARD OF DEGREE

FOURTHYEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF ARTS IN CRIMINOLOGY AND SECURITY STUDIES								
CRSS 425: FIRE SAFETY AND PROTECTION								
STREAMS: BA (CRSS) Y4S1				TIME: 2 HOURS				
DAY/DATE: WEDNESDAY			AY 06/12/2017	2.30 P.M. – 4.3	1. – 4.30 P.M.			
INSTRUCTIONS:								
Q1.	(a)	(i) Outli	ne the significance of	fire components.	[8 marks]			
		(ii) State	the tactical objective	s of fire suppression.	[6 marks]			
	(b)	Outline comp	conents of fire safety	Audit Checklist.	[8 marks]			
	(c)	(i) State	i) State the factors for consideration when selecting a fire protection system.					
					[4 marks]			
		(ii) Outli	e factors that can impair the effectiveness of a fire protection					
		system	m.		[4 marks]			
SECTION B (ANSWER ANY TWO QUESTIONS)								
Q2.	(a)	Discuss the f	s the flash over stage of a fire cycle and state its significance. [12 marks]					
	(b)	Define a fire	load and describe fac	tors that influence it.	[8 marks]			
Q3.	(a)	(i) Defin	e back draught.		[2 marks]			
		(ii) Discu	iss how a backdraugh	t condition can be created.	[9 marks]			
	(b)	Warning sign	ns of a backdraught.	t. [9 marks]				
Q4.	Discus	cuss the suitability and unsuitability of the following fire extinguishers for various t						
	scenar							
	(i)	Water mist e	xtinguishers					
	(ii)	Carbon dioxide extinguishers						
	(iii)	Foam forming extinguishers						
	(iv)	Potassium B	icarbonate (PKP)					

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Q5.	(a)	Fires have been classified into five groups based on the types of fuels. Complete			
		the table below.	[10 marks]		
	(b)	Smoke and heat detectors play a complementary role in fire protection sy			
		Justify.	[10 marks]		
Q5.	Discuss the following Fire Safety Strategies				
	(i)	Fire Drills			
	(ii)	Fire Safety Committees			
	(iii)	Fire assembly points			
	(iv)	Emergency response	[20 marks]		