



(Knowledge for Development)

KIBABII UNIVERSITY

(KIBU)

UNIVERSITY EXAMINATIONS 2020/2021 ACADEMIC YEAR

END OF SEMESTER EXAMINATIONS YEAR THREE SEMESTER TWO EXAMINATIONS

FOR THE DEGREE IN (INFORMATION TECHNOLOGY)

COURSE CODE : BIT322

COURSE TITLE : SYSTEM ADMINISTARTION AND

MAINTENANCE

DATE: 14/10/2021 TIME: 9.00 A.M-11.00 A.M

INSTRUCTIONS TO CANDIDATES
ANSWER QUESTIONS ONE AND ANY OTHER TWO.

		QUESTION ONE (COMPULSORY) [30 MARKS]		
a)	Defin	e the following	(5 marks)	
	i.	System administration		
	ii.	System administrator		
	iii.	Clustering		
	iv.	Server manage		
	V.	A service pack		
b)	b) In regard to configuration of system backups, what will the system administrator			
	confi	gure?	(3 marks)	
c)	State any three windows server platforms		(3 marks)	
d)	What are the functions of Network access protection		(4 marks)	
e)	Desci	ribe the two types of active directory structure	(6 marks)	
f)		t is the relationship between a forest and a tree in active directory	(4 marks)	
g)	When describing defense in depth a security system is supposed to be set in layers, state		et in layers, state	
	these	layers	(5 marks)	
		QUESTION TWO [20 MARKS]		
a)	Disci	QUESTION TWO [20 MARKS] uss examples of core server security practices	(10 marks)	
a) b)	Defin	uss examples of core server security practices ne firewall	(2 marks)	
	Defin	uss examples of core server security practices	(2 marks) d manage security	
b)	Defin	uss examples of core server security practices ne firewall cribe security templates and how you can use them to help deploy and	(2 marks)	
b)	Defin Desc	uss examples of core server security practices ne firewall cribe security templates and how you can use them to help deploy and cries	(2 marks) d manage security	
b)	Defin Desc polic	uss examples of core server security practices ne firewall cribe security templates and how you can use them to help deploy and ties QUESTION THREE [20 MARKS]	(2 marks) d manage security (8 marks)	
b)	Defin Desc polic a) V	uss examples of core server security practices ne firewall cribe security templates and how you can use them to help deploy and ties QUESTION THREE [20 MARKS] What is auditing and its functions	(2 marks) d manage security (8 marks)	
b)	Defin Desc polic a) V b) I	uss examples of core server security practices ne firewall cribe security templates and how you can use them to help deploy and ties QUESTION THREE [20 MARKS] What is auditing and its functions List some of events to audit	(2 marks) d manage security (8 marks) (8 marks) (5 marks)	
b)	Defin Desc polic a) V b) I c) V	uss examples of core server security practices ne firewall cribe security templates and how you can use them to help deploy and ties QUESTION THREE [20 MARKS] What is auditing and its functions List some of events to audit What is windows server update services	(2 marks) d manage security (8 marks) (8 marks) (5 marks) (3 marks)	
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b)	Defin Description Description (a) W (b) I (c) W (d) W	uss examples of core server security practices ne firewall cribe security templates and how you can use them to help deploy and ties QUESTION THREE [20 MARKS] What is auditing and its functions List some of events to audit What is windows server update services Why is linux considered to be more secure than windows QUESTION FOUR [20 MARKS]	(2 marks) d manage security (8 marks) (8 marks) (5 marks) (3 marks) (4 marks)	
b) c)	Defin Description Description (a) V (b) I (c) V (d) V	uss examples of core server security practices ne firewall cribe security templates and how you can use them to help deploy and cies QUESTION THREE [20 MARKS] What is auditing and its functions List some of events to audit What is windows server update services Why is linux considered to be more secure than windows	(2 marks) d manage security (8 marks) (8 marks) (5 marks) (3 marks)	

c) State the types of data collectors that make up a data collector (3 marks)

d) What is functions of performance monitors (2 marks)

QUESTION FIVE [20 MARKS]

a) What is a backup (2 Marks)

b) Define active directory domain services (5 Marks)

c) Differentiate between application server and web server (3 Marks)

d) You are employed as a system administrator of Kibabii University, since the server room is usually kept at a very low temperature you cannot sit there. Explain three methods you will help you access your server computer from your office machine. (6 Marks)

e) Define a server software and give three examples of the server software explaining their functions (5 Marks)