

JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF ARTS IN BUSINESS ADMINISTRATION WITH I.T 3RD YEAR 1ST SEMESTER 2018/2019 ACADEMIC YEAR NAIROBI/NAMBALE CAMPUS

COURSE TITLE: INTERNET COMPUTING

COURSE CODE: SCS 306

DATE: 16/08/2019 EXAM SESSION 9.00 – 11.00am

TIME: 2 HOURS

INSTRUCTIONS

- 1. Answer question 1 (compulsory) and ANY other 2 questions.
- 2. Candidates are advised not to write on the question paper.
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.

QUESTION ONE 30 MARKS

	a. Identify and explain briefly four functions of communication proto		
	transmission.	(4 marks)	
	b. Distinguish the following terms; Internet, Intranet and Extranet	(6 marks)	
	c. Discus any four services provide by the Internet.	(12 marks) (8 marks)	
	d. Analyze the layers of the TCP/IP protocol suite.	(o marks)	
QI	UESTION TWO 20 MARKS		60
	a. With the aid of example, highlight the role of the following software	re in the	
	context of the internet:		
	(i) Browser software.	(3 marks))
	(ii) Client – side software.	(3 marks)	
	(iii) Server-side software.	(3 marks)	
b.	Identify three methods that you could use to connect your home to the		
		(3 marks)	
Э.	Explain the purpose of the following components in an internet enviro		
	(i) Firewall	(2 marks)	
	(ii) Encryption	(2 marks)	
1.	Outline four problems associated with electronic mail applications.	(4 marks)	
QI	UESTION THREE 20 MARKS		
a)	Outline six common hacking tactics and security exploits within the	ne internet	(6 marks)
9)			(4 marks)
2)	(/)/		(5 marks)
(l:	Highlight five functionalities that email allows you to do while on	the internet	(5 marks)
OI	UESTION FOUR 20 MARKS		
V.	DEDITORY I O OR 20 MIRRIS		
a)	Briefly describe search engine as used in Internet Computing		(4 marks)
o)	Describe any five topologies used by organizations.		(5 marks)
2)	Discuss five problems arising from internet use.		(5 marks)
ĺ.	Briefly discuss transmission media used in computer networks		(6 marks)
ΛI	HECTION FINE 20 MADIZ		
Ų	UESTION FIVE 20 MARKS		
	(a) Write down the correct HTML tags to accomplish the following:		
~	(i) Adding a background color	(2 n	narks)
	(ii) Make text bold	•	nark)
	(iii) Create a hyperlink	(3 n	narks)
	(iv) Create a bullet list	(4 n	narks)
	(b) What benefits would a learning institution gain by embracing vide	o conferenci	na?
	(b) What belieffts would a learning institution gain by emblacing vide		mg? marks)
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