

JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

UNIVERSITY EXAMINATIONS 2013/2014

SCHOOL BASED, DECEMBER 2013, APRIL, 2014 SESSION

THIRD YEAR FIRST SEMESTER EXAMINATIONS FOR THE DEGREE OF BACHELOR OF EDUCATION WITH INFORMATION TECHNOLOGY

(KOSELE LEARNING CENTRE)

SCS 306: INTERNET COMPUTING

QUESTION 1: {30 MARKS}

a)	Define the fol	lowing terms;	(3 Marks)					
	(i).	Internet,						
	(ii).Intranet, and							
	(iii).	Extranet.						
b)	Explain the functions of the following four features of a browser window.							
			(8 Marks)					
	(i).	Search box,						
	(ii).Navigation buttons,							
	(iii).	Status bar, and						
	(iv).	Address bar.						
,		er and explain Dijkstra's routing Algorithm aded Style Sheet using suitable syntax	(4 marks)	(2marks)				
e)	State four advantages of email over traditional mail. (3Marks)							
f)	Identify <i>two</i> internet connection options available to individuals in Kenya.							
			(2 Marks)					
g)	With the aid o	of diagram, explain how routers work.	(4 Marks)					
h)	Identify and explain how Jaramogi Oginga Odinga University of Science and Technology							
	can put the World Wide Web to use in its academic and administrative functions.							
(4Marks)								

QUESTION 2:<u>{20 MARKS}</u>

a)	What is ISP? Give <i>two</i> (2) examples of ISPs in Kenya.	(2 Marks)							
b)	Define what is meant by Access Control in computer sec	urity measures.							
		(4 Marks)							
c) State and describe <i>at least five</i> types of primary access control measures.									
		(10 Marks)							
d) Intentional computer and e-commerce threats usually fall into certain categories									
	least four. (4 M	(4 Marks)							
Ta	TYON 2 (20 MADIZE)								
ES	110N 3: <u>{20 MARKS}</u>								
a)	In the recent past there has been hype on the arrival of fiber optics cable to the Kenyar								
	coast. How is Kenya set to benefit from fiber optics projects?								
(6 Marks)									
b)	OSI model giving an example of								
	each.	(14 Marks)							
	each.	(14 Marks)							
	each.	(14 Marks)							
ES	each. TION 4: {20 MARKS}	(14 Marks)							
	TION 4: {20 MARKS}								
(ES)	TION 4: {20 MARKS} Despite being the latest addition to the internet, the W	orld Wide Web (WWW) is the							
	TION 4: {20 MARKS} Despite being the latest addition to the internet, the W most widely used internet service. Give reasons behind the	orld Wide Web (WWW) is the							
a)	TION 4: {20 MARKS} Despite being the latest addition to the internet, the W	orld Wide Web (WWW) is the							
	b) c) d)	b) Define what is meant by <i>Access Control</i> in computer sec c) State and describe <i>at least five</i> types of primary access co d) Intentional computer and e-commerce threats usually fa least four. (4 M ESTION 3:{20 MARKS} a) In the recent past there has been hype on the arrival of coast. How is Kenya set to benefit from fiber optics projet (6 M							

c)	Why is TCP	protocol	referred	to as	the	"software	of	reliability"?	Describe	techniques	/
	mechanisms	that TCP	employs	to ac	hiev	e reliability					

(10 Marks)

QUESTION 5: {20 MARKS}

a) Describe *six* methods of attack that are currently being experience on the internet.

(12 Marks)

b) Suggest *at least four* corresponding security strategies that can be employed to computer attacks. (8 Marks)