

MASENO UNIVERSITY UNIVERSITY EXAMINATIONS 2015/2016

FIRST YEAR SECOND SEMESTER EXAMINATIONS FOR THE DEGREE OF BACHELOR OF ARTS, AGRICULTURE AND MATHEMATICS WITH INFORMATION TECHNOLOGY

MAIN CAMPUS

UCI 102: COMPUTER COMMUNICATION SYSTEMS

Date: 3rd May, 2016

Time: 11.00 - 1.00 pm

INSTRUCTIONS:

- SECTION A: Question ONE is COMPULSORY.
- SECTION B: Question 2-5: Answer any TWO questions of your choice.

Q1.	a)		ain what is meant by the term		from computer	
	b)		FOUR practical examples of fly explain the function of the			5marks
	Uj	i)	Gateway	tonowing in comp	uter network.	
		ii)	Router			
		iii)	Switch			
		iv)	Repeater			4marks
	c)		ass FIVE benefits an organiza	ation can realize due	to Accounting	4marks
	0)		agement of its computer netw		to Accounting	5marks
	d)		ne the term Topology and brid		manca hatraan	
	",	hus a	nd token ring topologies in o	omputer network		5marks
	e)		iss the Corrective, Adaptive			
	2	netwo		ing chiancive mann	enance in comp	4marks
	f)		rentiate between transparent	bridging and Source	route bridging	
	g)	What	t is planning and explain its i	nnact on network m	anagement	4marks
	67	15 1566	to paramag and explain to a	ingaiet on network in	anagement.	410a1 KS
SECT	TION F	B: ANS	WER ANY TWO QUESTIC	ONS . 20MARKS E	EACH	
Q2	a)	Discu	iss how we can protect our co	ommunication system	ms from the var	ious
			ks instigated by our adversari			10marks
	b)	Netwo	ork design increases chances	of success in any to	echnical discipli	ne and
		also n	nakes the designer's work sir	npler, more product	ive, and more sa	atisfying.
			ss the benefits that Network			
Q3	a)	Discuss how the following strategies help in meeting the performance metrics in				
		a computer network.				
		i)	Service Level Agreement			
		ii)	Open -Architecture			10marks
Q4	a)	Discuss t he steps involved in troubleshooting network problems. 10mark				10marks
	b)	State and explain the THREE common Network Management Architectures.				
						10marks
Q5	a)	Identif	fy and briefly explain the step	os involved in troub	leshooting in co	mputer
Q5	a)	Identif		os involved in troub		mputer 10marks
Q5	a) b)	netwo	rk. uter network can be classifie		ay it is configu	10marks
Q5		netwo	rk. uter network can be classifie		ay it is configu	10marks
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