PRINCE OF SONGKLA UNIVERSITY FACULTY OF ENGINEERING

Midterm Examination: Semester 2		Acader	nic Year: 2009-2010
Date: December 26, 2009		Time:	13:30 – 15:30
Subject Number: 241-642		Room:	S201
Subject Title: Multicast Protocols ar	d Application	ons	
Name:			
Student Number:		Sign	ature:
Exam Duration: 2 hours			
This paper has 5 pages (including the	his page).		
Authorised Materials:			
 Anything the student can c devices. 	arry, except	for mobile	phones and other communication
Instructions to Students:			
• Answer questions in Englis	sh. Good En	glish is not	required.
• Attempt all 4 questions.			
• Write the answers in the sp	aces provid	ed in the ex	amination paper.
Anything illegible is incorp.	rect.		
Answer briefly where poss	sible, essays	are not req	uired.
The marks allocated for ea marks total for this examinates		are shown	next to that question. There are 50
	For ma	rker's use o	only.
1 2	3	4	Total

Question	
	Explain why it is never correct for a router forwarding a multicast packet to transmit the packet back through the same interface from which it was received (in contrast to a router forwarding a unicast packet which sometimes needs to do that.)
	
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Question	2.	(15 marks)					
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Question 3.	(20 marks)
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The routing process is normally responsible for finding a path that packets can use to reach the recipients. Multicast is somewhat different, in fact Multicast routing can sometimes be described as being the process of determining where not to send multicast packets.
Do you agree?
Explain why (or why not)?

Question 4.	(10 marks)

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