THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

A. M. E. C. E. A

MAIN EXAMINATION

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AUGUST – DECEMBER 2016 TRIMESTER

FACULTY OF SCIENCE

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

EVENING PROGRAMME

LIS 207: COMPUTER NETWORKS

Date: DECEMBER 2016Duration: 2 HoursINSTRUCTIONS: Answer Question ONE and any other TWO Questions

- Q1. a) Describe any two media access methods used by computer networks today. (2 marks)
 - b) Differentiate the following pairs of terms
 - i. Packet switching and circuit switching
 - ii. LAN and WAN:

(4 marks)

(4 marks)

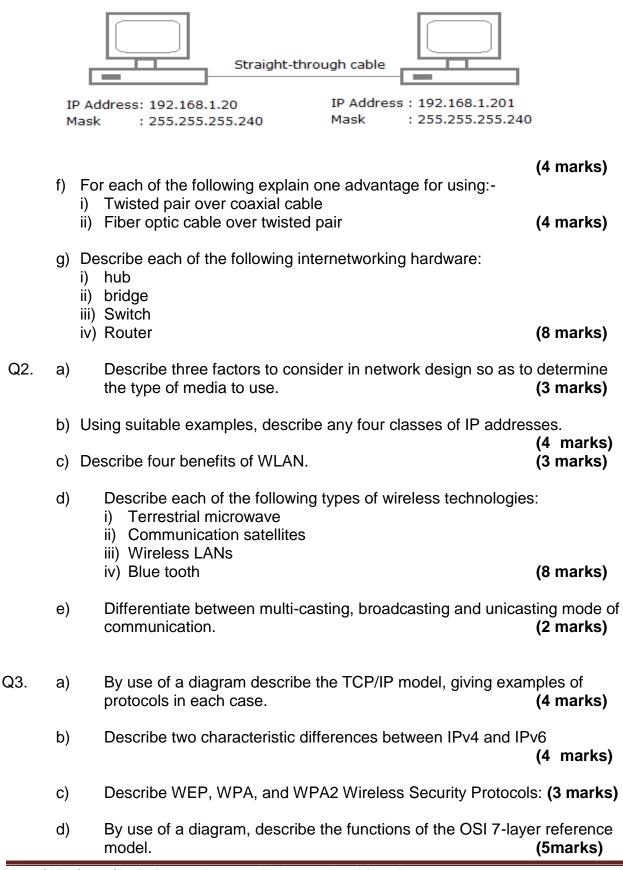
- c) Describe the following two Domain Name System name resolution techniques.
 - i) Iterative
 - ii) Recursive
- d) Describe any two network topologies adopted by business in designing their networks.
 (4 marks)
- e) A network administrator is connecting hosts A and B directly through their Ethernet interfaces, as shown in the illustration below. Ping attempts between the hosts are unsuccessful. Explain two solutions to provide connectivity between the hosts?

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	e)	Describe two differences between asynchronous transfer more relay.	ode and frame (4 marks)
Q4.	a)	Explain what is unguided media	(3 marks)
	b)	List and explain the THREE major classifications of unguide media	ed (9 marks)
	C)	With the help of a diagram, explain the major classifications transmissions media used in Networking.	of (8 marks)
Q5.	a) b) c)	Outline the FOUR major functions of the Access control With the help of a diagram explain what Token passing is Outline the difference between CSMA CD and CSMA CA	(8 marks) (6 marks) (6 marks)

END

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