



FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA

SCHOOL OF INFORMATION AND COMMUNICATION TECHNOLOGY

DEPARTMENT OF INFORMATION AND MEDIA TECHNOLOGY

FIRST SEMESTER 2015/2016 EXAMINATION

**COURSE CODE:** IMT312  
**COURSE TITLE:** Electronic Commerce  
**CREDIT UNITS:** 2  
**TIME ALLOWED:** 2Hours  
**COURSE LECTURER(S):** Mr. H. A. Zubairu  
**NUMBER OF QUESTIONS:** 5  
**NUMBER OF PAGES:** 2 (INCLUDING THIS PAGE)

**INSTRUCTIONS**

- Answer all questions
- Do not use red pen
- Please use a clear handwriting
- This exam is closed book, closed notes, closed laptop and closed cell phone
- Please use non-programmable calculators only

- 1(a) Define e-commerce and distinguish it from e-business. (2 marks)
- (b) Discuss the major limitations of e-commerce. Which of them are likely to disappear? Why? (4 marks)
- (c) What is XML? Explain its role in e-commerce? (4 marks)
- (d) What types of business processes are well suited to electronic commerce? (2 marks)

2 (a) Company ABC has several divisions that have created private resources that can be accessed using Internet protocols as shown in figure 1. What type of network configuration does this division operate? (1 mark)

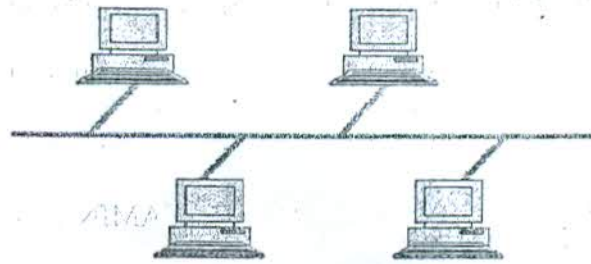


Figure 1

- (b) List four (4) advantages and four (4) disadvantages of the network arrangement in figure 1 (4 marks)
- (c) What is the maximum number of links needed, if the network in figure 1 is to accommodate ten nodes? (2 marks)
- (d) What will happen to the network in figure 1, if one of the stations is unplugged and why? (2 marks)
- (e) For effective data exchange among the e-commerce platforms, the following DTD was created:  
`<! ELEMENT product (manufacturer?, (model/label), expDate+, region*+>`  
 Explain what each constituent of the DTD for the element product connotes. (3 marks)

- 3(a) Compare real world payment system to online payment systems (2 marks)
- (b) What are the limitations of traditional payment instruments? How are these limitations overcome by electronic payment systems (3 marks)
- (c) List six advantages and six disadvantages of using cash as a payment form (6 marks)
- (d) Why is network reliability an important issue in e-commerce? (2 marks)
- 4(a) Explain some of the ways criminals deceive consumers and merchants (3 marks)
- (b) Briefly explain how public key cryptography works. (3 marks)
- (c) Explain the major drawbacks of asymmetric key algorithm (3 marks)
- (d) Explain the role of digital signature in e-commerce application (3 marks)
- 5(a) Define cybersquatting. How is it different from cyberpiracy? (3 marks)
- (b) Why does the Internet cause problems for law makers when they consider personal jurisdiction? (3 marks)
- (c) Outline six reasons that necessitate the requirement for e-commerce laws (3 marks)
- (d) Differentiate between contract and implied contract in the context of e-commerce (2 marks)



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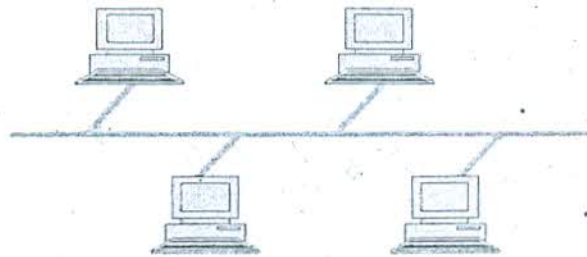


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