



INTERNATIONAL DIPLOMA IN COMPUTING
INTERNATIONAL DIPLOMA IN NETWORK CYBERSECURITY
DIPLOMA IN BUSINESS & INFORMATION TECHNOLOGY
INFORMATICS COMPUTER DIPLOMA
INTERNATIONAL DIPLOMA IN INFORMATION TECHNOLOGY & COMMUNICATION
INTERNATIONAL DIPLOMA IN ENGINEERING & TECHNOLOGY

COMPUTER AND INFORMATION PROCESSING (C1001/CS111/CCT101)
ASSIGNMENT
TERM 2 2012

Student declaration:

I declare that:

- *I understand what is meant by plagiarism*
- *The implication of plagiarism has been explained to me by my institution*
- *This assignment is all my own work and I have acknowledged any use of the published and unpublished works of other people.*

Student's signature:.....

Date:.....

Total number of pages including this cover page			
Submission Date		Due Date	
Students' ID		Class Code	
Student's Full Name			
Lecturer's Name			

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Marker's comments		
Marker's name	Initial marks awarded	/100
	Penalty on late submission	
	Penalty for plagiarism	
	Final marks awarded	/100

Name of Student : _____

Student ID : _____

Module Code : C1001/CS111/CCT101

Criteria	Base Mark	Graded Mark	Comments
<u>Question 1</u> Pointing device is an input device that allows user to control a pointer on the screen. There are various types of pointing devices available in the market. Write a short notes for the following pointing devices: (a)Trackball (b)Touchpad (c)Touch screen (d)Joystick	10 Marks 10 Marks 10 Marks 10 Marks		
<u>Question 2</u> (a)On your visit with Gary Sharma, he tells you he would like to know about some basic network designs. Draw examples of the basic network topologies for Gary. Then, summarize those topologies. (b) Gary has read about using physical communication media to wire the building. List different types of physical communication media and compare the advantages and disadvantages of each.	35 Marks 25 Marks		
Total	100 Marks		

Instructions to Students:

1. Complete the cover sheet (page1), which forms the first page of your assignment submission.
2. The assessment criteria includes:
 - (a) Content of Work. This includes the amount of research done to provide accurate and credible information necessary for this assignment.
 - (b) Creativity, Originality and Style of Work. This refers to the uniqueness and artistic element of the final assignment.
 - (c) Presentation of the Final Assignment. This refers to the clarity, organization and final project.
3. Independent research on the relevant topic area is encouraged. Work that demonstrates an in-depth analysis of the question and that provides a coherent answer will be awarded a higher grade compared to that which simply regurgitates answers from the texts.
4. To avoid plagiarism please:
 - paraphrasing work rather than 'cut & paste'
 - include citation in your work
 - include a reference list in the work you submit

Please note that your work will be submitted to a detection software and if work is found to have been plagiarized, your work will be penalized. The following is a guide that will be used when penalizing work:

Amount of plagiarized material	Marks reduction	
	No attribution made	Inadequate attribution made
Less than 20%	No reduction	No reduction
Less than 20% is a guide used to accommodate the limitation of the software i.e. assignment questions submitted which creates an increase in the SI index. Students are reminded to paraphrase, cite your work with proper referencing.		
Between 21 % and 50%	Reduce marks by 50% (Divide marks by 2)	Reduce marks by 25% (Multiply marks by $\frac{3}{4}$)
Between 51% and 70%	Reduce marks by 67% (Divide marks by 3)	Reduce marks by 50% (Divide marks by 2)
Between 71% and 80%	Reduce marks by 75% (Divide marks by 4)	Reduce marks by 67% (Divide marks by 3)
Over 80%	Reduce to zero	Reduce marks by 75% (Divide marks by 4)

5. The word limit for this assignment is 2,000 words.
6. A minimum of three (3) references from academic journals are required aside from the textbook of the course.
7. The document must include page number; use Times New Roman Font (Size 12) with top, bottom margins of 1” and right, left margins of 1.25” and with ‘Justify’ alignment.
8. The assignment should be organized as follows:
 - (a) Cover Page. (found on the first page of this questions paper)
 - (b) Table of Contents.
 - (c) Main body of the assignment. (This should observe the given word count limit)

(d) References: Example:

- Berko, R., Rosenfeld, L., and Samovar, L. (1997), Connecting, Harcourt Brace & Company, USA.

Complete the mark criteria list with your name and id and submit it together in your assignment.

9. Assignments must be presented in hard copy with CD well secured in the hardcopy. The CD should contain the following documents: Softcopy of the assignment that is submitted and the plagiarism report. Retain a photocopy of your course assignment.
10. Complete your assignment and hand it in by: 10th Lesson.
11. Lecturer has the discretion of applying a penalty of 20% for late submission.

ASSIGNMENT QUESTIONS:

Question 1

Pointing device is an input device that allows user to control a pointer on the screen. There are various types of pointing devices available in the market. Write a short notes for the following pointing devices:

- (a) Trackball [10]
- (b) Touchpad [10]
- (c) Touch screen [10]
- (d) Joystick [10]

Question 2

A group of physicians is building a new two-storey building that is four blocks from the hospital. Their business manger, Gary Sharma, has contacted you about assisting them in selecting a basic network topology and what communications media to use. The plans for the building are not complete, but Gary wants to begin discussions on different options for networks that can be used.

- (a) On your visit with Gary Sharma, he tells you he would like to know about some basic network designs. Draw examples of the basic network topologies for Gary. Then, summarize those topologies. [35]
- (b) Gary has read about using physical communication media to wire the building. List different types of physical communication media and compare the advantages and disadvantages of each. [25]

- END OF ASSIGNMENT -