CIS 291 – Networking Theory & Applications
WINTER 2022 Assignment 4 (59 marks)

PART I: Multiple choices (1 marks each/ total 15 marks)

- Fill your answers in the table below. No other format will be accepted.

CHAPTER	QUESTION	YOUR ANSWER(S)	
4	M/C Q1		
	M/C Q3		
	Best Answer Q1		
	Best Answer Q3		
10	M/C Q1		
	M/C Q4		
13	M/C Q1		
	M/C Q3		
	M/C Q5 (two answers)		
	Best Answer Q1		
	Best Answer Q3		
14	M/C Q4		
	M/C Q5 (two answers)		
	Best Answer Q3		
	Best Answer Q5		

PART II: Hands-on Labs and Written answers (44 marks)

> *__Rules for Submitting Screen Captures:__*
> 1) **All screenshots must be put in a *.docx* document. Each screenshot needs to provide *a title* identifying where you capture it.**
> 2) **Each screenshot must contain the *time and date*. The easiest way to achieve that for Windows is to capture the entire screen and the time and date will be automatically shown in the bottom right-hand corner. Alternatively, you can show the clock with the date.**
> 3) **The size of each screenshot must be at least 5" wide and 3" tall, i.e. *no more than two screenshots per page*. Also, scale the screenshots if needed, so the entire frames are displayed.**
> 4) **If the capture is from a web page, you must *show the exact web location* and *provide the link* to directly access the page. The instructor should be able to access it by clicking on the link.**

1. (**20 marks**) Chapter 3 "Business Case Scenarios" Question 1: Planning Storage.
   Notes:
   i) *Create two virtual "physical" disks in your virtual Server (either Server 2012 or 2022) that you installed in Assignment 2 Question 1.*
   *** Important: Instead of creating the two virtual "physical" disks of 1 TB each as stated in the Question, create two disks with <u>10GB each</u>.
   NOTE: The <u>Volume Labels</u> have to be using your name such as John-Smith1, John-Smith-2, … Screen capture <u>at least four and no more than six images</u> to show me that you have re-created a similar Scenario (RAID-5) in your virtual server.
      o Indicate the stage <u>where</u> you capture your screen shots.
   ii) *__You still need to answer the three questions in the business case.__*

2. (**8 marks**) Chapter 10 "*Business Case Scenarios*" Scenario 10-1: Calculating IPv4 Subnets.

3. (**6 marks**) Chapter 10 "*Business Case Scenarios*" Scenario 10-2: Scenario 10-2: Calculating IPv6 Interface IDs

4. (**10 marks**) Chapter 13 "*Business Case Scenarios*" Scenario 13-1: Creating AD DS Domains.

   <u>Fully</u> explain your design.

   <u>Remember that you must do your own work – see the instructor if you want more clarifications or encounter difficulties</u>.