LaSalle College
Montréal

Midterm Evaluation: 30%

Course Identification

Name of program– Code:	COMPUTER SCIENCE TECHNOLOGY- PROGRAMMING - 420.BP COMPUTER TOOLS
Course title:	**COMPUTER TOOLS**
Course number:	420-CT1-AS
Group:	07442
Teacher's name:	Zohreh Moeini
Duration:	3 periods (180 minutes)
Semester:	Fall 2023

Student Identification

Name: _____ Student number: _____

Date: _____ Result: _____

☐ I declare that this is an original work, and that I credited all content sources of which I am not the author (online and printed, images, graphics, films, etc.), in the required quotation and citation style for this work.

Standard of the Evaluated Competencies

Statement of the evaluated competencies– Codes

Evaluated elements of the competencies
Use office productivity software. – 00Q4

Elements of the competency
1. Produce reports. 2. Product tables and graphs 3. Product diagrams or plans 4. Produce presentation documents 5. Share and synchronize documents

Instructions

- Permitted equipment: laptop
- Class notes are not allowed, and students may not use the dictionary.
- No break is allowed during this exam. Students are not allowed to exit the examination room before half of the allotted time has passed. Once a student has exited the classroom, he/she may not re-enter (IPEL – Article 5.12.4).
- The teacher will not answer questions during the exam.
- Students must remain silent during the exam.
- It is the teacher's responsibility to identify language errors. If such errors are found, teachers may apply a penalty of up to 5% of the grade (IPEL – Article 5.7).
- Plagiarism attempts at plagiarism or complicity in plagiarism during a summative evaluation result in a mark of zero (0). In the case of recidivism, in the same course or in another course, the student will be given a grade of '0' for the course in question. (IPEL – Article 5.16).
- Please write clearly.

Mark Breakdown

This evaluation is on 100 points, distributed as follows:

- PART A: Excel — for a total of 60 points
- PART B: Word document, Power Point — for a total of 40 points

TOTAL: 100 POINTS

PART A (60 points)

QUESTION #1(20 points)
There is a Food sales company with the following data. Please create the data table with the following rows and columns with the fields below:

- **OrderDate**: Date the order was placed(dateTime)
- **Region**: geographic rgion where order will be shipped (text)
- **Manager**: sales Manager (who is responsible for region sales)
- **SalesMan:** Agent for sales
- **Product**: product name(text)
- **Quantity**: number of units ordered (int)
- **Unit:** number of products
- **UnitPrice**: product selling price per unit(float)
- **TotalPrice**: total price of order - calculation - Unit x UnitPrice(float)

OrderDate	Region	Manager	SalesMan	Product	Units	Unit_price($)	Total Price
2018-01-06	East	Martha	Alexander	Television	95	1,198.00	
2018-01-07	Central	Hermann	Shelli	Home Theater	50	500.00	
2018-01-08	Central	Hermann	Luis	Television	36	1,198.00	
2018-01-09	Central	Timothy	David	Cell Phone	27	225.00	
2018-01-10	West	Timothy	Stephen	Television	56	1,198.00	
2018-01-11	East	Martha	Alexander	Home Theater	60	500.00	
2018-01-12	Central	Martha	Steven	Television	75	1,198.00	
2018-01-13	Central	Hermann	Luis	Television	90	1,198.00	
2018-01-14	West	Douglas	Michael	Television	32	1,198.00	
2018-01-15	East	Martha	Alexander	Home Theater	60	500.00	
2018-01-16	Central	Hermann	Sigal	Television	90	1,198.00	
2018-01-17	East	Martha	Diana	Home Theater	29	500.00	
2018-01-18	East	Douglas	Karen	Home Theater	81	500.00	
2018-01-19	East	Martha	Alexander	Television	35	1,198.00	

Question#2 (40 points)
Please create a data sheet in excel with the requested functions in the below: (please specified each question with given number and do it clearly in order)

1. Add **filter** for Region, Product, Salesman
2. Create (formula) the **total price** for each Product.
3. Create (formula) to get the **total price for region** (east, central)
4. Create(formula**)** to Get the information about the sales in West.
5. Create(formula) to get the **total price if the Manager is** Martha and the unit is **more than 50.**
6. Create(formula) to get the **max- min quantity** for the products
7. Create(formula) to get the **total price** for all **Home Theatre**
8. Create(formula) to get the **average price** for all the television and cell phone.
9. Create(formula) to get the **Count Unit** for television.
10. Create(formula) to get the **average price** for home theatre and Cell phone.

11. Create(formula) to get the **Unti count** of television **If the region is West.**
12. Create(formula) to get the **total price** of home theatre **If the salesman is** Alexander.
13. Create(formula) to Compare **total price for MIN and Max Television sales**.
14. Create (formula) to find the **order date of Max sales for Timothy**.
15. Create (formula) to find the **manager who has sales more that 10000.00.**

PART B (40 points)

QUESTION #1 (20 points)
Create a power point to present the following job titles in IT industry (your PowerPoint should be just five pages which included the picture, job description, the skills, and the knowledge that they need for the position, the salary), (last page you should show the chart to compare the salary of these jobs)

- Front-end developer
- Back-end developer
- QA analyst
- Database developer
- Network Administration

QUESTION #2 (20 points)
Create a word report file from your Power Point with all the information that you provided
These items should be included in your file:

1. Cover for your report with (college logo, name of the course, name of the teacher, name of the student)
2. Header and Footer
3. Tables of content
4. Graphs for results
5. Title for each section
6. References

Best of Luck

Element of competency: Develop transactional applications- 00SU	
Performance criteria	**weight**
1.1 Proper customizing of the word processing interface (3 points) 1.2 Accurate data entry (3 points) 1.3 Proper integration of images (3 points) 1.4 Appropriate use and modification of styles and templates (3 points) 1.5 Proper insertion of an automatic table of contents 1.7 Compliance with presentation standards (3 points)	/15
2.1 Proper customizing of the spreadsheet interface (3 points) 2.2 Appropriate choice of the type of table and graph to be produced (3 points) 2.3 Appropriate choice and use of search, logic and calculation functions (3 points) 2.4 Development of appropriate mathematical formulas (3 points) 2.5 Compliance with presentation standards (3 points)	/15
3.2 Choice of scale and format based on representation requirements (5 points) 3.3 Accurate representation of geometric elements (5 points) 3.4 Use of a symbol collection in accordance with representation requirements (5 points) 3.5 Proper and clear drafting of the annotations and title block (5 points) 3.6 Compliance with presentation standards (5 points)	/20
4.2 Appropriate choice of the display resolution and format (5 points) 4.3 Appropriate integration of images, sounds and videos (5 points) 4.4 Presentation readability (5 points) 4.5 Compliance with spelling and grammar rules (5 points) 4.6 Compliance with presentation standards (5 points)	/25
5.1 Proper customizing of the collaborative software interface (5 points) 5.2 Appropriate conversion of file formats (5 points) 5.3 Appropriate classification of documents (5 points) 5.4 Correct assignment of access to shared documents (5 points) 5.5 Efficient management of conflicts between versions (5 points)	/25
Total :	/100