Week 3 SE LAB

Session: 2021 – 2025

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Supervised To:

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1 Question 5

Apply formatting options such as bold, underline, and italics to the text

1.1 Solution

Here are the requirements for applying formatting options to text:

1. Apply **bold** formatting to text.
2. Apply *italics* formatting to text.
3. Apply underline formatting to text using the `ulem` package.

2 Question 6

Change the font of your text.

2.1 Solution

Keep in mind that not all fonts may be available on all systems, so make sure you have the chosen font installed or adjust the font selection accordingly. Additionally, you can use different font packages and commands for more advanced font customization if needed.

3 Question 7

Add page numbers to your document.
Done

4 Question 8

4.1 Ordered lists

1. Apple
2. Banana
3. Orange
4. Strawberry
5. Pineapple
6. Grapes
7. Mango

8. Watermelon
9. Kiwi
10. Blueberry

4.2 Unorder list

- Dell
- HP (Hewlett-Packard)
- Lenovo
- Apple
- Asus
- Acer
- Microsoft
- Toshiba
- MSI (Micro-Star International)
- Sony

5 Queation 9

Mathematical expression: x + y^2

6 Question 10

Mathematical expression: {5 + 6 *(x + y)}

7 Question 11

This is a matrix using the `bmatrix` environment:

$$\begin{bmatrix} 1 & 2 & 3 \\ a & b & c \end{bmatrix}$$

This is a matrix without brackets:

$$\begin{matrix} 1 & 2 & 3 \\ a & b & c \end{matrix}$$

8 Question 12

The definite integral of x^2 with limits of integration from a to b is written as:

$$\int_a^b x^2 \, dx$$

The limit as x approaches infinity for the function $f(x)$ is written as:

$$\lim_{x \to \infty} f(x)$$

The equation $2^{-n} = 1$ can be represented as:

$$\sum_{n=1}^{\infty} 2^{-n} = 1$$

9 Question 13

Roll Number	Name	CGPA	Gender
101	John Doe	3.75	Male
102	Jane Smith	3.89	Female
103	Alice Johnson	3.92	Female
104	Bob Williams	3.68	Male

Table 1: Student Data