A1052

Name.....

Register No.....

NAIPUNNYA INSTITUTE OF MANAGEMENT AND INFORMATION TECHNOLOGY (AUTONOMOUS)

FIRST SEMESTER (FYUG) DEGREE EXAMINATION NOVEMBER 2025

MULTI-DISCIPLINARY COURSE

CSC1FM105 - DATA ANALYSIS AND VISUALIZATION THROUGH SPREAD SHEET

Time: One Hour and a Half | Maximum:50 marks

Section A

Answer the following

2 marks each, 10x2=20 with a ceiling of 16 marks

1. Describe on how to show and hide Legend.	CO5
2. How grouping is performed using short cut key?	CO3
3. Write a note on data table property in What -if Analysis.	CO3
4. Demonstrate sorting with the help of at least one example.	CO2
5. Illustrate on Goal seek.	CO3
6. Comment on how charts are created in excel sheet.	CO4
7. Define pie charts.	CO4
8. What is 'what-if' Analysis?	CO3
9. Comment on how ungrouping is performed.	CO3
10. How pivot table and pivot charts are related to each other?	CO4

Section B

Answer the following

6 marks each, 5x6=30 with a ceiling of 24 marks

11. Mention the logical functions of excel and their usage.	CO1
12. Demonstrate filtering with the help of an example.	CO2
13. Create a pivot chart based on a table of data.	CO4
14. How to use macros? Explain with an example.	CO4
15. Describe the benefits of conditional formatting?	CO2

Turn Over

Section C

Answer any one of the following

10 marks each

16. Explain in detail about any five Built-in functions used in excel with suitable examples. CO4

17. Prepare a **Progress Report** for **five students**, showing their marks in **three subjects**. For each student, calculate the following:

    a) **Total Marks**
    b) **Average Marks**
    c) **Percentage** (Assume each subject is out of 100 marks)

    Then, determine the **Result Classification** based on the percentage as follows:

    - Percentage **> 80 → Distinction**
    - Percentage **> 60 → First Class**
    - Percentage **> 50 → Second Class**
    - Otherwise → **Failed**

CO3

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