QP Code: U25DR005

Reg. No : .....
Name : .....

ST MARY'S COLLEGE (AUTONOMOUS), THRISSUR-20

I SEMESTER (FYUGP/FYVP) DEGREE EXAMINATIONS, NOVEMBER 2025
CSC1FM105 : Data Analysis and Visualisation through Spread Sheets
2025 Admission Onwards
(Credits: 3)

Time:1. 5 Hours **Maximum Marks: 50**

Section A

*Answer **All**. Each question carries **2** Marks.* ***(Ceiling: 16 Marks)***

1. List any five features of a spreadsheet.
2. Explain the functions of different parts of the Excel Window.
3. List various formatting options available in Excel.
4. Explain the purpose of grouping rows or columns in Excel with an example.
5. Explain the purpose and importance of data validation in Excel with examples.
6. Define the Watch Window feature in Excel.
7. Define the Goal Seek feature in Excel.
8. Demonstrate how to insert and use Form Controls (like buttons, combo boxes, or checkboxes) in a worksheet.
9. List different types of charts available in Excel.
10. What is Pivot Chart in Excel?

Section B

*Answer **All**. Each question carries **6** Marks.* ***(Ceiling: 24 Marks)***

11. Explain the concept of a range in Excel and give examples of how ranges are used in formulas and data selection.
12. Create and apply a formula that calculates the average score from a list of student marks.
13. Analyze the effect of removing duplicates on data integrity and structure in a worksheet.
14. Demonstrate how to create a simple dashboard in Excel using charts and pivot tables.
15. Demonstrate how to create and use a Pivot Table to summarize student data.

Turn Over

Section C

Answer ***any one****. Each question carries* ***10*** *Marks.* ***(1x10=10 Marks)***

16. Evaluate different techniques used for data cleansing and organization. Suggest the most effective one.

17. Evaluate the usefulness of Pivot Table features in handling large datasets and generating reports.

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