QP Code: U25DRIS050

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

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

I SEMESTER (FYUGP) DEGREE EXAMINATIONS, NOVEMBER 2025
(Regular/Improvement/Supplementary)
CSC1MN103 : Data Analysis using Spread Sheet
2024 Admission Onwards
(Credits: 4)

Time: 2 Hours **Maximum Marks: 70**

Section A

*Answer **all**. Each question carries **3** Marks.* ***(Ceiling: 24 Marks)***

1. Describe how would you navigate between multiple worksheets in a large workbook.
2. Differentiate between a workbook and a worksheet in Excel.
3. Explain how duplicate records are removed from a dataset using Excel's built-in tools?
4. Describe the application of Add Level, Delete Level, and Copy Level commands in managing sorting rules?
5. Write a formula that calculates total values from ranges A1:A5 and C1:C5 using a mix of relative and absolute references.
6. Write the syntax and explain the purpose of using the function SEARCH().
7. What is the formula used in Excel to extract the month from a date?
8. Describe how the MATCH function works in conjunction with the INDEX function.
9. Describe the "Replace" function in Excel. How does it differ from the "Find" function, and in what scenarios would you use it?
10. What is a PivotTable in Excel?

Section B

*Answer **all**. Each question carries **6** Marks.* ***(Ceiling: 36 Marks)***

11. Explain how to customize chart elements in Excel to effectively communicate the information.
12. What are the various formatting options available for cells in Excel?

Turn Over

13. Describe the procedure for importing data from a web source into Excel and analyze its usefulness in handling real-time datasets.

14. Describe the Flash Fill feature in Excel. How does it differ from AutoFill, and in what situations is it most beneficial?

15. Given the formula =A1 * B1, change it to use absolute and mixed cell references. Explain how these changes affect the formula when it is copied to other cells.

16. i) Write a formula that multiplies the value in cell A2 by the value in cell B2, and ensure the formula can be copied across multiple rows without changing the reference to B2.
    ii) Using cell references, create a formula that calculates the sum of values from cells C1 to C10, and apply an absolute reference to ensure the range remains constant when copying the formula to other cells.

17. Construct a formula using IF, AND, and OR to determine pass/fail results based on multiple subject scores.

18. Assess the main purposes of using bar, line, and pie charts in Excel? Give an example of when to use each type of chart.

Section C

Answer ***any one***. ***(1x10=10marks)***

19. Compare the main features and functions of Microsoft Excel and Google Sheets. What are their applications?

20. Apply your knowledge of Excel to create a Pivot Table and Pivot Chart for analyzing a large economics dataset. Demonstrate the steps involved and explain how these tools help in simplifying complex data analysis.

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