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Name : ....

Reg. No : ....

SECOND SEMESTER UG DEGREE EXAMINATION, APRIL 2025

(FYUGP)

CC24UBCA2FS112 - DATA ANALYSIS USING SPREAD SHEET

(BCA - SEC)

(2024 Admission - Regular)

Time: 1.5 Hours

Maximum : 50 Marks

Credit: 3

Part A (Short answer questions)

Answer *all* questions. Each question carries 2 marks.

1. Demonsrate the primary functions and uses of spreadsheet software like Microsoft Excel and Google Sheets?   [Level:3] [CO1]

2. Provide the syntax of MIN and average functions in Excel.   [Level:3] [CO1]

3. Provide the steps to Ungroup data in excel.   [Level:3] [CO2]

4. Provide any two data validation rules used in Excel.   [Level:3] [CO2]

5. Provide a detailed example to use the AND function in a spreadsheet.   [Level:3] [CO2]

6. Demonstrate and explain the importance of the "Filters" area in a pivot table.   [Level:3] [CO3]

7. Describe how to customize a pivot chart to include a legend and title?   [Level:3] [CO3]

8. Demonstrate and explain the concept of standard deviation.   [Level:3] [CO4]

9. Demonstrate how does Scenario Manager help in risk assessment and decision-making?   [Level:3] [CO4]

10. Demonstrate and explain three common DAX functions and explain their uses.   [Level:3] [CO4]

(Ceiling: 16 Marks)

Part B (Paragraph questions/Problem)

Answer *all* questions. Each question carries 6 marks.

11. Demonsrate the different data types available in Excel and provide examples .   [Level:3] [CO1]

12. Provide steps to calculate the number of days between two dates using the DATEDIF function. Provide an example.   [Level:3] [CO1]

13. Demonstrate any 3 financial functions in excel.   [Level:3] [CO2]

14. Given a sales dataset with monthly values, create a Sparkline for each product to show trends over the months. How would you format the Sparklines to highlight the highest and lowest values?   [Level:3] [CO3]

15. Provide the steps how slicers and timelines enhance the interactivity of pivot charts?   [Level:3] [CO3]

(Ceiling: 24 Marks)

Part C (Essay questions)

Answer any *one* question. The question carries 10 marks.

16. Demonstrate and explain different types of charts. How would you create a bar chart to   [Level:3] [CO2]
    compare the monthly expenses of five departments?

17. Demonstrate and explain the concepts of correlation and regression analysis. Provide   [Level:3] [CO4]
    examples

(1 × 10 = 10 Marks)

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