TB251420J

Reg. No :.....

Name :.....

BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MULTI-DISCIPLINARY COURSES (MDC) (COMPUTER APPLICATIONS)

CA1MDC01B24 - Tools and Techniques of Data Analysis using Excel and SPSS

Time : 1 Hours

Maximum Marks : 35

Part A

Answer any 3 questions from the bunch of CO1. Each question carries 2 mark. (2x3=6)

1. Discuss the importance of data collection in analysis. [CO1,Understand]
2. Explain the concept of an ogive. [CO1,Apply]
3. Calculate the median of a given data set. [CO1,Understand]
4. Name two sources of data. [CO1,Analyse]

Part A

Answer any 3 questions from the bunch of CO2. Each question carries 2 mark. (2x3=6)

5. Define Microsoft Excel [CO2,Understand]
6. Outline the steps to create a pie chart in Excel. [CO2,Apply]
7. List the steps to open Microsoft Excel. [CO2,Evaluate]
8. Describe how to print a worksheet in Excel. [CO2,Understand]

Part A

Answer any 4 questions from the bunch of CO3. Each question carries 2 mark. (2x4=8)

9. List the steps to create data in SPSS. [CO3,Understand]
10. Describe the process of recoding categorical variables in SPSS. [CO3,Apply]
11. Explain the role of a codebook in SPSS. [CO3,Apply]
12. How do you define a variable in SPSS? [CO3,Understand]
13. Describe the purpose of the Output Viewer in SPSS. [CO3,Apply]

Part B

Answer any 1 question from the bunch of CO1. Each question carries 5 mark. (5x1=5)

14. Explain the concept of measures of central tendency and differentiate between the mean, median, and mode. [CO1,Remember]
15. Define and explain the various measures of variation in statistics, such as range, quartile deviation, mean deviation, standard deviation, and coefficient of variation. [CO1,Understand]

Part B

Answer any 1 question from the bunch of CO2. Each question carries 5 mark. (5x1=5)

16. Describe the history and different versions of Microsoft Excel [CO2,Understand]
17. Explain the components of the Excel window and how you can navigate through the rows, columns, and cells in an Excel worksheet. [CO2,Analyse]

Part B

Answer any 1 question from the bunch of CO3. Each question carries 5 mark. (5x1=5)

18. Explain the concept of recoding (transforming) variables in SPSS, with a focus on Automatic Recode and ranking cases. [CO3,Evaluate]

19. Discuss the procedure for sorting and grouping data in SPSS. How can you split data into different groups for analysis? [CO3,Evaluate]