



24900249

Name:.....

First Semester

DATA ANALYSIS USING LIBRE CALC

Maximum Marks: 35

Students should attempt atleast one question from each course outcome to enhance their overall outcome attainability.

Part A

Each question carries 2 marks

- 1

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|----|--|---|---------|
| | a) Numerical | b) Alphabetical | |
| | c) Custom | d) None of these | |
| 4 | ANOVA is used to compare | | [K] [4] |
| | a) One sample | b) At least one sample | |
| | c) More than two samples | d) None of the above | |
| 5 | To find the first quartile (Q1) in LibreOffice Calc, which function is used? | | [K] [3] |
| | a) =QUARTILE(A1:A10, 1) | b) =QUARTILE(A1:A10, 0) | |
| | c) =QUARTILE(A1:A10, 2) | d) =QUARTILE(A1:A10, 3) | |
| 6 | Choose the correct syntax from the following | | [A] [1] |
| | a) =MINIMUM(B1;B10) | b) =MIN(B1:B10) | |
| | c) =MINIMUM(B1:B10) | d) =MIN(B1;B10) | |
| 7 | What type of data is best suited for a histogram? | | [A] [2] |
| | a) Categorical data | b) Ordinal data | |
| | c) Continuous or grouped data | d) Ratio type data | |
| 8 | What does a pie chart represent? | | [A] [2] |
| | a) The distribution of data points | b) Data changes over time | |
| | c) Portions or percentages of a whole | d) Comparison between two data sets | |
| 9 | What is the non-parametric analogue of one sample t test? | | [K] [4] |
| | a) Sign Test | b) Wilcoxon one sample Signed - Rank test | |
| | c) Chi – square test | d) F - Test | |
| 10 | The range of values that coefficient of correlation can take are | | [K] [4] |
| | a) 0 to +1 | b) -1 to +1 | |
| | c) -1 to 0 | d) 0 to infinity | |

Part B

Short Essay Type Questions

Answer any 3 questions

Each question carries 5 marks

- 11 What are the key characteristics of nominal, ordinal, interval, and ratio data? [K] [2]
- 12 How do you interpret the p-value from a paired t-test in Calc? [U] [4]
- 13 Distinguish between word wrapping, shrinking and orientation options in Alignment tab in Format Cell [U] [1]
- 14 The following are the scores of two batsmen A and B in a series of innings [A] [1]
A 12 15 6 73 7 19 19 36 84 29
B 47 12 76 42 4 51 37 48 13 0
Who is the better run getter in terms of averages?
- 15 What does it mean if a number is “uniformly random”? Explain the steps to create 10 random numbers between 0 and 1 in Libre Calc. [U] [3]

(3 × 5 = 15)

END OF THE QUESTION PAPER
