

B.Sc. /B.Com./B.B.A/B.S.W. DEGREE EXAMINATION APRIL 2019
FOURTH SEMESTER

COURSE : ALLIED ELECTIVE
PAPER : DATA ANALYSIS
TIME : 3 HOURS

MAX. MARKS: 100

SECTION A

Answer all the questions:

20 X 1=20 MARKS

Choose the best answer:

- Which one of the following is the qualitative data?
a) Height b) Weight c) Gender d) age
- _____ is not a form of data presentation.
a) Tabular b) Statistical c) Cartographic d) Graphical
- _____ converts a number to text format and applies a currency symbol.
a) Dollar b) text c) value d) fixed
- _____ option in Excel guesses where the data should be broken into columns.
a) fixed-width b) delimited c) max-column d) max-limit
- Exploratory data analysis (EDA) approach is useful in the_____
a) initial stage b) secondary stage c) middle stage d) final stage
- _____ is affected by larger values.
a) Mean b) Median c) Mode d) None of the mentioned
- _____ indicates that there is a statistically significant difference between the groups means.
a) Null hypothesis b) Alternative hypothesis c) Both a&b d) None of the mentioned
- An independent variable is also called a _____ variable.
a) Discrete b) Dependent c) Explanatory d) Ordinal
- Electronic textual data including scanned documents involves_____
a) Email interview b) SMS interview c) Both a & b d) None of the mentioned
- _____ packages does not handle symbolic computations.
a) R b) Matlab c) Python d) All a,b & c

Fill in the Blanks:

- Data which are collected from the news paper is called _____ data.
- The production of rice per acre in five districts is 10, 8, 12,9 and 6 quintals. The average production of rice for these districts is _____
- _____refer to data whose values cannot be measured numerically but can be classified into sets.
- _____ removes the space character (value 32) from text.
- A special form of the symmetric distribution, in which the data can be plotted as a bellshaped curve, is known as the _____
- Skewed right is also called _____
- _____ indicates that the means of all groups are identical.

18. ANOVA stands for _____
19. _____ and _____ are approaches to qualitative analysis.
20. _____ function is used to ensure that the data is numeric.

SECTION B**ANSWER ALL QUESTIONS:****5 X 2=10MARKS**

21. List down the points to remember while interpreting the information?
22. Explain how to prepare, input and check data?
23. List the items in exploring and presenting individual variables.
24. Define hypothesis.
25. List the scientific computation software.

SECTION C**ANSWER ANY EIGHT QUESTIONS:****8 X 5=40 MARKS**

26. Explain about Qualitative data and Quantitative data
27. Enumerate the selection of samples and sample size
28. Give an account on reconciling table data by joining or matching
29. How to validate Data? Explain.
30. Explain about Type I and Type II errors
31. How to describe data Using PivotTables? Explain.
32. How can we use the results of a one-way ANOVA for forecasting?
33. Explain the purpose of consolidating data.
34. Explain about the Analytical aids.
35. Discuss on transcribing qualitative data.

SECTION D**ANSWER ANY THREE QUESTIONS:****3 X 10=30 MARKS**

36. Discuss in detail about the tools and technique of data collection.
37. Explain in detail about Coding data.
38. What are some common shapes of histograms? Explain.
39. Discuss Predictive Data Analysis in detail.
40. Describe the types of qualitative analysis processes
