TB243558A

Reg. No :.....

Name :.....

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, NOVEMBER 2024

2019, 2020, 2021, 2022 ADMISSIONS SUPPLEMENTARY

B. Voc. Software Development SEMESTER III - GENERAL

ST3C04B18 - Basic Statistics and SPSS

Time : 3 Hours **Maximum Marks : 80**

Part A

I. Answer any Ten questions. Each question carries 2 marks **(10x2=20)**

1. Identify an example for nominal data and ordinal data
2. Summarize the method to find the no of class when a set of data is given
3. Summarize the method to find the width of a class
4. Explain the term order of a class
5. Identify an example for a class frequency
6. Quote the criterion for independence
7. Explain Footer in MS EXCEL
8. Explain Header in MS EXCEL
9. What is a file tab?
10. Summarize the method of joining the selected cells into one cell in MS Excel
11. Explain a data viewer in SPSS
12. Under which tab in SPSS do you find the option to calculate the average of a given data

Part B

II. Answer any Six questions. Each question carries 5 marks **(6x5=30)**

13. Annotate the Requisites for an ideal measure of central tendency
14. Annotate Characteristics of an ideal measure of dispersion
15. Explain Primary data and Secondary data
16. Define the terms a) Type 1 error b) Type 2 error
17. Explain Equality of 2 population variances
18. Comment on Chi-Square Test for variance
19. Summarize the procedure for Regression in excel? Explain with an example
20. Explain in detail how to move around a worksheet
21. Explain Cross Tabulation in SPSS

Part C

III. Answer any Two questions. Each question carries 15 marks **(2x15=30)**

22. a) Explain the measures of central tendency? b) Write brief notes on Arithmetic mean, Median, Mode with examples
23. Annotate the steps involved in Test for difference in mean
24. Comment on the construction of a pie chart and a X-Y chart using MS Excel. Explain the procedure for constructing a scatter plot using MS Excel
25. Explain Regression and the procedure to implement correlation in a dataset given using SPSS