TB243558A

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

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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