

TB243428B

13/11/24

Reg. No :

Name :

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

2023 ADMISSIONS REGULAR

B.VOC S.W.D SEMESTER III - GENERAL

ST3B04B23 - 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. What do you mean by class midpoint or class mark?
2. Summarize the method to find the width of a class
3. Explain chronological data
4. Explain Null hypothesis and alternative hypothesis
5. Give the pdf for a Normal distribution
6. Compare and Contrast correlation and association
7. Explain the term Syntax
8. Explain Footer in MS EXCEL
9. Identify the function; CORREL Function, Comment on the same
10. How are Columns in excel labelled?
11. Explain a data viewer in SPSS
12. Comment on the advantages of SPSS

Part B

II. Answer any Six questions. Each question carries 5 marks

(6x5=30)

13. Comment on the two regression lines
14. Write a short note on the construction of Discrete Frequency Table
15. Explain Scatter Diagram
16. Summarize on Ultimate Class Frequencies
17. Explain Equality of 2 population variances
18. Comment in detail the notations and terminologies used in Association of attributes
19. Explain in detail how to move around a worksheet
20. Explain the 3 sections in a formula bar
21. Summarize the procedure for finding Standard deviation of a given data using SPSS

Part C

III. Answer any Two questions. Each question carries 15 marks

(2x15=30)

22. Explain in detail about the types of data and the sources of data
23. Summarize the procedure for a) Test for normal mean or test for single mean (σ known) b) Test for single Proportion
24. a) How to construct a statistical formula using MS EXCEL? b) Explain Procedure for average, standard deviation
25. Explain in detail the use of frequency option from Analyze tab in SPSS