

TV213735V

Reg. No :

Name :

B. Voc. DEGREE (C.B.C.S) EXAMINATION, NOVEMBER 2022

(2021 Admissions Regular, 2020 Admissions Supplementary/Improvement, 2019 & 2018 Admissions Supplementary)

SEMESTER III - GENERAL (SOFTWARE DEVELOPMENT)

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 geographical data
2. Explain the term Class Frequency
3. Summarize the method to find the no of class when a set of data is given
4. Quote the criterion for independence
5. Explain Null hypothesis and alternative hypothesis
6. What is the necessary and sufficient condition for consistency of a data?
7. Functions in MS Excel must begin with ____
8. Explain how to assign 26 letters to 16,384 columns
9. Quote the syntax for finding the sum of a data using MS Excel
10. Explain Formula bar and status bar
11. Explain a variable viewer in SPSS
12. Summarize the use of descriptive option in SPSS

Part B

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

(6x5=30)

13. Annotate Characteristics of an ideal measure of dispersion
14. Summarize the sources of primary data
15. Explain continuous and discrete data. Give example
16. Summarize on the following a) Hypothesis, b) Null hypothesis, c) Alternate Hypothesis, d) Composite hypothesis e) Simple Hypothesis
17. Define the terms a) Critical region and b) Critical value
18. Comment on the skewness of a Normal distribution
19. Comment on the indicators that comes under a status bar in MS Excel
20. Explain any 3 charts that can be used for representing data graphically using MS EXCEL
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. Explain in detail regarding large sample test. Write the steps involved in Test for equality of means

24. a) Explain construction of statistical formula using MS EXCEL b) Summarize the procedure for constructing Ogive frequency chart, with the help of an example using MS Excel
25. Explain the procedure for different t test in SPSS