St. TERESA'S COLLEGE
(Autonomous)

TV153720

B.Voc DEGREE (C.B.C.S.S) EXAMINATION, OCTOBER 2016
SEMESTER III – SOFTWARE DEVELOPMENT
VSD3S13TB – BASIC STATISTICS AND SPSS

Time : Three Hours **Maximum Marks:80**

PART A
(Short Answer Questions)

I. Answer all questions (Each question carries 1 mark)

1. What is primary data?
2. Find mode of the following data.
   3, 4, 5, 4, 6, 4
3. Define a null hypothesis.
4. Define class interval.
5. Name a data handling technique in MS Excel.
6. What is the maximum number of characteristics that can be used for defining a variable name in SPSS? **(6 x 1 = 6)**

PART B
(Brief Answer Question)

II. Answer any seven question in one or two sentence (Each question carries 2 marks)

7. Define mean deviation.
8. What are the different measures ofdispersion?
9. Name any two methods of collecting primary data.
10. What is the use of F- test in testing hypothesis?
11. Give the p.d.f of Normal distribution .
12. Define coefficient of correlation .
13. How will you sort data in ascending or descending order in MS Excel?
14. Name the data handling techniques in MS Excel.
15. Write short notes on SPSS software.
16. Name two different views available in SPSS data editor. **(7 x 2 = 14)**

PART C
(Descriptive/ Short answer questions)

III. Answer any five questions in 50 words (Each question carries 6 marks)

17. Explain various methods of collecting primary data.
18. What are the properties of a good measure of central tendency?
19. Explain briefly the applications of Chi square test.

20. What are the steps used in the construction of a frequency polygon?
21. Write a test for testing significance of single proportion.
22. How will you find the mean of 10 numbers using MS Excel.
23. What is the use of auto filter option in MS Excel?
24. What are the rules for defining a variable name in SPSS? **(5 x 6 = 30)**

PART D
(Long Essay)

IV. Answer any two questions in 100 words (Each question carries 15 marks)

25. Define census and sampling.Explain the importance of sampling .
26. Distinguish between qualitative and quantitave characteristics.Give one example each.
27. What are the properties of a normal distribution?
28. Describe the uses of normal test. **(2 x 15 = 30)**