

**STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086**  
**(For candidates admitted during the academic year 2016 -2017)**

**SUBJECT CODE: 16PY/MC/ST34**

**B. Sc. DEGREE EXAMINATION, NOVEMBER 2017**

**PSYCHOLOGY**

**THIRD SEMESTER**

**COURSE : MAJOR – CORE**

**PAPER : STATISTICS FOR PSYCHOLOGY - I**

**TIME : 3 HOURS**

**MAX.MARKS:100**

**SECTION – A**

**I. ANSWER ALL QUESTIONS. EACH ANSWER NOT TO EXCEED 50 WORDS.**  
**(10X2=20)**

1. Define Statistics.
2. What is inferential statistics?
3. What is meant by Ogive?
4. What is called discrete variable?
5. Write a note on mode.
6. What is called range?
7. What is meant by perfect correlation?
8. Write a note on partial correlation.
9. What is called skewness?
10. Write a note on Gaussian Curve.

**SECTION – B**

**II. ANSWER ANY FIVE QUESTIONS. EACH ANSWER NOT TO EXCEED 250 WORDS.**  
**(5X8=40)**

11. Write the need and importance of statistics.
12. State the general rules for constructing tables.
13. Fifty students of the B.Ed class obtained the following scores on an achievement test.  
62,21,26,32,56,36,37,39,53,40,54,42,44,61,68,28,33,56,57,37,52,39,40,54,42,43,63,30, 34, 58,35,38,50,38,52,41,51,44,41,42,43,45,46,45,47,48,49,45,46,48.  
Construct a frequency distribution table.
14. Find out the standard deviation for the following data:  
30, 35, 36, 39, 42, 44, 46, 38, 34, 35
15. Calculate the mean and median for the following data.  
80, 100, 105, 90, 112, 115, 110, 120
16. Using rank order correlation find the correlation efficient for the following:  
X 12 15 24 20 8 15 20 20 11 26  
Y 21 25 35 24 16 18 25 16 16 38
17. Explain about the types of correlation.
18. State the characteristics of normal curve.

## SECTION – C

**III. ANSWER ANY TWO QUESTIONS. EACH ANSWER NOT TO EXCEED 1200 WORDS. (2X20=40)**

19. Describe the different modes of graphical representation for grouped and ungrouped data.

20. Find out the mean, median and mode for the following data:

Scores	F
70-71	2
68-69	2
66-67	3
64-65	4
62-63	6
60-61	7
58-59	5
56-57	1
54-55	2
52-53	3
50-51	1

21. Calculate Pearson's product moment correlation for the following data.

X	13	12	10	10	8	6	6	5	3	2
Y	11	14	11	7	9	11	3	7	6	1

22. Enumerate the applications of normal curve with examples.

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