

SUBJECT CODE: 16PY/MC/ST34

B. Sc. DEGREE EXAMINATION, NOVEMBER 2019
PSYCHOLOGY
THIRD SEMESTER

COURSE : MAJOR – CORE
PAPER : STATISTICS 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 bar graph?
3. Define central tendency.
4. Define variability.
5. What is skewness?
6. List out the inferential statistical methods.
7. What are discrete and continuous variables?
8. What are the assumptions of Mode?
9. Interpret the correlation coefficient value of 0.81.
10. What is kurtosis?

SECTION – B

II. ANSWER ANY FIVE QUESTIONS. EACH ANSWER NOT TO EXCEED 250 WORDS.
(5x8=40)

11. Ten competitors in a beauty contest are ranked by three judges in the following order.

1 st Judge	1	6	5	10	3	2	4	9	7	8
2 nd Judge	3	5	8	4	7	10	2	1	6	9
3 rd Judge	6	4	9	8	1	2	3	10	5	7

Use the rank correlation co-efficient to determine which pair of judge has the nearest approach to common tastes in beauty

12. Discuss the functions of statistics.
13. What are the merits and demerits of mean and median?
14. Define correlation and list out its types.
15. Explain the descriptive statistical methods.

16. Compute mean and median and mode for the following data

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

17. Point out the situations in which average deviation and standard deviation are used.

18. Calculate standard deviation and co-efficient of variation from the following.

Wages	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
No. of workers	12	18	35	42	50	45	20	8

SECTION – C

III. ANSWER ANY TWO QUESTIONS. EACH ANSWER NOT TO EXCEED 1200 WORDS. (2x20=40)

19. Elucidate the need and importance of statistics in psychology.

20. Compute Average deviation and standard deviation from the following data

Scores	80-84	85-89	90-94	95-99	100-104	105-109	110-114
F	4	4	3	0	3	3	1

21. Find the correlation coefficient between the following scores (Normally distributed) and interpret the results.

Subjects	Test -X	Test - Y
A	15	40
B	18	42
C	22	50
D	17	45
E	19	43
F	20	46
G	16	41
H	21	41

22. Enumerate the characteristics of normal curve
