Mid-West University Examinations Management Office

Chance Exam-2082

M.Ed. Level / III Semester

Sub: Application of Statistics in Test Development and Evaluation (CE533)

Roll No						
Group 'A'						

Tick (✓) the Best Answer.

1. The mean of 4, 6, 8, 10, and 12 is...

a. 8

b. 9

c. 6

d. 10

2. To find the mean you need to...

- a. Subtract the largest and smallest number
- b. Add all values and divide by number of values
- c. Multiply all values
- d. Divide the largest by the smallest
- 3. To find median the numbers must be...
 - a. Multiplied
 - b. Written in reverse
 - c. Written in ascending order
 - d. Written in descending order
- 4. Which measure of central tendency is best when data have outliers?
 - a. Mean

b. Median

c. Mode

d. All of above

- 5. A raw score is...
 - a. A grade
 - b. A percentile
 - c. The actual number of correct responses
 - d. A standard score
- 6. Which score helps in comparing performance across different groups?
 - a. Raw score

 $10 \times 1 = 10$

b. Derived score

c. Final score

d. Total questions

7. Which of the following scores can be negative?

a. T- score

b Z-score

c. Percentage

d. Grade

- 8. The mark which provides the comparative score of an individual in different area is known as...
 - a. Criteria score

b Status score

c. Norm score

d. Profile score

- 9. If the difficult level of an item is 70 then this item can be described as...
 - a. Very easy

b. Very difficult

c. Medium

d. None of above

- 10. There are individual discrete and continuous series includes...
 - a. Invariable analysis
 - b. Traversable and multivariable analysis
 - c. Invariable analysis
 - d variable and Invariable analysis

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Level: M.Ed. / III Semester

FM: 60

Time: 3 hrs.

PM: 30

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Candidates are requested to give their answers in their own words as far as practicable.

Attempt All the Questions.

Group 'B'

 $6 \times 5 = 30$

- 1. Define Z-score and write the formula for calculation a Z-score.
- 2. What is T-score and explain its purpose.
- 3. Why are derived scores important in evaluation?

Or

Explain the meaning of item analysis with suitable examples.

4. Find the mean from the following data.

T _x	0-5	5-10	10-15	15-20	20-25	25-30	35-40	40-45
f	5	4	10	15	16	13	3	5

- 5. Define central tendency. Explain its importance in test analysis.
- 6. Differentiate between mean and correlation justify its.

Oi

Define mode with an example and list its uses for evaluation system.

Group 'C'

 $2 \times 10 = 20$

7. Compute the median and standard deviation from the given data.

Score	36-40	41-45	46-50	51-55	56-60
Frequency	6	8	9	6	7

8. What is standard deviation? Briefly discuss the importance of scoring evaluation system.

Or

Calculate the co-relation from the following data.

x	7	9	13	8	4	12
y	5	7	8	7	9	20

THE END