

Mid-West University
Examinations Management Office
Surkhet, Nepal

End Semester Examination-2082

Level: B.Ed. / VI Semester

Sub: Basic Statistics (POP465/466)

Roll No:

Group 'A'

10 × 1 = 10

1. Which one is not the basic terminology used in statistics?
 - a. collection of data
 - b. presentation of data
 - c. analysis of data
 - d. publication of data.
2. The most frequently occurring score in distribution of score is....
 - a. mean
 - b. median
 - c. standard deviation
 - d. mode
3. Which formula is used to calculate coefficient of range?
 - a. $L-S$
 - b. $L+S$
 - c. $L-S/2$
 - d. $L-S/L+S$
4. The mean of 5, 10, 15, 20, 25 is....
 - a. 25
 - b. 20
 - c. 15
 - d. 10
5. Which one is the formula to calculate mean (\bar{x}), in individual series?
 - a. $\bar{X} = \sum fm/N$
 - b. $\bar{X} = A + \sum fd/N$
 - c. $\bar{X} = \sum x/N$
 - d. $\bar{X} = A + \sum fd/N \times I$
6. Who use the word 'Regression' at first?
 - a. Karl Marx
 - b. Best and Khan
 - c. Sir Francis Galton
 - d. Spearman
7. The range of correlation coefficient is.....
 - a. -1 to 0
 - b. +1 to 0
 - c. -2 to +1
 - d. -1 to +1

8. A hypothesis is....

- a. the goal of the researcher
- b. the reliability of research
- c. the tentative and testable relationship between variables
- d. as aspect of scientific inquiry

9. Which of the followings is not a characteristic of good sample?

- a. representative
- b. proper size
- c. proper time
- d. purposeful

10. Cluster sampling is also known as....

- a. area sampling
- b. quota sampling
- c. systematic sampling
- d. random sampling

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Time: 3.00 hrs.

FM: 60

PM: 30

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

Attempt All the Questions:

Group 'B'

6×5 = 30

1. From the following data compute the mean:

Marks	10-20	20-30	30-40	40-50	50-60	60-70
No. of students	8	6	10	14	7	5

2. Calculate the range and co-efficient of range from the following

Data:

5, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 105, 125.

3. From the following data calculate the value of median.

Marks	0-10	10-20	20-30	30-40	40-50	50-60
No. of students	4	6	10	8	7	5

Or

Describe about the basic terminology used in statistics.

4. Find out the Karl Pearson's correlation from the following data:

X	6	9	5	4	7	3
Y	2	6	8	5	4	7

5. Calculate the standard deviation from the following data.

Marks	10-20	20-30	30-40	40-50	50-60	60-70	70-80
No. of Stud.	6	4	5	7	8	4	6

6. Define probability theory and state its rules in brief.

Or

What is hypothesis testing? Briefly describe about binomial and Normal distribution.

Group 'C'

2×10= 20

7. Calculate mode from the following data.

Marks	10-20	20-30	30-40	40-50	50-60
No. of stud.	4	6	10	15	5

8. Examine the rank correlation coefficient from the following data.

X	29	25	33	29	28	32	21	27	33	23
Y	22	31	25	24	25	19	23	20	26	16

Or

Explain the types of probability and non-probability sampling in detail.

THE END