

Mid-West University  
Examinations Management Office

Surkhet, Nepal

End Semester Examination-2080

Level: B.Ed. / V Semester

Sub: Inferential Statistics (MATH 456)

Roll No: .....

Group 'A'

10 × 1 = 10

Tick (✓) the best answers.

1. Which one of the statement is true for type II error?
  - a. Rejection of null hypothesis
  - b. Rejection of alternative hypothesis.
  - c. Acceptance of null hypothesis
  - d. Acceptance of alternative hypothesis
2. Which one of the following statements is true?
  - a. Descriptive statistics describe estimates of parameter.
  - b. Describe hypothesis testing
  - c. describes mean of sample
  - d. all of the above
3. The null hypothesis is
  - a. the assumption there is no relationship between the variable
  - b. the assumption that a significant result is unlikely.
  - c. the pattern between the variables you are testing.
  - d. none of the above
4. Which one of the followings is not the characteristics of good estimator?
  - a. Efficiency
  - b. Consistency
  - c. Sufficiency
  - d. accurately
5. What is type I error?
  - a. Accepts null hypothesis
  - b. Rejects null hypothesis
  - c. Both a and b
  - d. None of the above

6. The form of the alternative hypothesis can be .....
  - a. one - tailed
  - b. two tailed
  - c. one or two tailed
  - d. all of the above
7. The value of  $\alpha$  is known as .....
  - a. the rejection level.
  - b. the acceptance level
  - c. the significance level
  - d. all of the above
8. If  $n \geq 30$  and population standard deviation is unknown in this condition which test is useful
  - a. t- test
  - b. f-test
  - c. z- test
  - d. chi- square test
9. The total probability of any event is
  - a. 2
  - b. 3
  - c. 1
  - d. 1.5
10. Which one of the following values is not typically used for  $\alpha$ ?
  - a. 0.05
  - b. 0.01
  - c. 0.25
  - d. All of the above.