

تعداد سوالات: تستی: ۳۰ تشریحی: —

نام درس: اصول و روش تحقیق (۲)

زمان آزمون: تستی: ۶۰ تشریحی: — دقیقه

رشته تحصیلی و کد درس: مترجمی زبان - ادبیات انگلیسی - (۱۲۱۲۰۹۱ - ۱۲۱۲۱۳۲)

آزمون نمره منفی دارد ○ ندارد ⊗

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مجاز نیست.

استفاده از: فرهنگ لغات

کد سری سؤال: یک (۱)

امام علی<sup>(ع)</sup>: برتری مردم به یکدیگر، به دانش‌ها و خردهاست؛ نه به ثروت‌ها و تبارها.*Select a, b, c or d which best completes each test item.*

- To avoid exercising particular bias in sampling, the use of ..... is the only solution .  
a. post – testing      b. pre – testing      c. randomization      d. treatment / placebo
- Standard scores are scores interpreted in terms of the ..... and .....  
a. mean – range      b. variance – mean      c. mean – sd      d. median – sd
- The asymptotic property of the normal distribution implies .....  
a.  $-\infty$  to  $+\infty$  values      b. symmetry of the curve  
c. unimodality      d. asymmetry
- Of all sampling procedures, the ..... sampling leads to a more representative sample of the population .  
a. stratified random      b. simple random      c. systematic      d. cluster
- A major shortcoming of closed questionnaires is .....  
a. the influence of researcher's bias      b. their difficulty of scoring  
c. administration problems      d. difficulty of interpretation of results
- Construct validity primarily deals with the existence of a .....  
a. hypothetical concept      b. coherent content      c. future situation      d. correlation
- A researcher intending to obtain information about attitudes of subjects can use ..... for data collection.  
a. tests      b. Likert scale      c. TAT      d. projective tests
- The concept of " population " implies .....  
a. a large unit      b. a few units      c. a relative concept      d. represent ativeness
- If a researcher selects every nth subject on his/ her list, s/ he is using ..... sampling.  
a. simple random      b. systematic      c. cluster      d. stratified
- If most of scores in a distribution are high, the distribution is .....  
a. negatively skewed      b. positively skewed      c. flat      d. normally distributed

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11. In z distribution, the value of the mean of distribution is .....
- a. 0                                      b. -1                                      c. +1                                      d. 68%
12. A characteristic obtained from descriptive statistics is called a (n) .....
- a. inferential statistics    b. descriptive statistics    c. parameter                                      d. statistic
13. A researcher intending to make generalizations about the population needs .....statistics.
- a. inferential                                      b. t – test                                      c. SEM                                      d. descriptive
14. On a normal distribution, the probability of a Z score of +2 equals ..... percent.
- a. 50                                      b. 16                                      c. 87                                      d. 97
15. Levels of significance indicate the ..... in hypothesis testing process of research.
- a. Importance of research                                      b. Standard error of the means
- c. Extent of errors in research                                      d. Degree of freedom
16. The probability of getting the correct response on a five-choice test item would be.....
- a. .25                                      b. .5                                      c. .4                                      d. .2
17. What is Arshia's Z score if:  
His score= 15 SD = 4 the mean=15
- a. -1                                      b. +1                                      c. 0                                      d. .75
18. In a null hypothesis, the level of significance is set in .....
- a. Positive Z values                                      b. Negative Z values                                      c. One direction                                      d. Two directions
19. In a flat distribution, .....
- a. There is no mode                                      b. Mode is zero
- c. A bimodal curve is possible                                      d. A unimodal curve is possible
20. When the distribution is skewed and the N is small, the..... is a more accurate measure of central tendency.
- a. Mean                                      b. Mode                                      c. Median                                      d. Range

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## استفاده از: فرهنگ لغات

**کُد سری سؤال: یک (۱)**

21. The choice between a one-tailed and a two-tailed test of hypothesis depends on the researcher's.....

- a. Ease of application  
b. Evidence to support a relationship  
c. Taste  
d. Knowledge of probability

22. In an experimental research design, if a researcher collects data from one sample group, the statistics used is.....

- a. T-test                      b. Matched t-test                      c. Independent t-test                      d. T-observed

23. A null hypothesis formulated by a researcher can be rejected if .....

- a. T-observed exceeds t-critical                      b. T-critical exceeds t-observed
- c. a level is set at .05                                      d. a level is set at .01

24. An assumption underlying t-test is that .....

- a. An interval scale is used
- b. Every subject is assigned to two groups
- c. Scores are not normally distributed
- d. Subjects are selected randomly

25. The non-technical interpretation of the research findings is stated in the.....section of research report.

- a. Result                  b. Discussion                  c. Method                  d. Procedure

26. In summarizing data, the bottom up adding up of simple frequencies results in.....

- a. Cumulative frequency  
b. Absolute frequency  
c. Percentage  
d. Percentile rank

27. To determine the position of a subject in a distribution, a researcher should calculate .....

- a. Percentage
- b. Percentile rank
- c. Cumulative frequency
- d. Relative cumulative frequency



دانشگاه پیام نور  
(مرکز آزمون)

استان:

کارشناسی (ست) - جبرانی ارشد

نیمسال اول ۸۹-۸۸

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28. The correct order of components of research report is .....

- a. Abstract -preliminary-introduction-method
- b. Preliminaries-abstract-introduction- Conclusion
- c. Abstract-introduction-method-preliminary
- d. Preliminaries-abstract-introduction-method

29. Standardization of scores paves the way for .....

- a. Subjects' position in a group
- b. Choice of probability level
- c. Better comparison of scores
- d. Selection of hypothesis

30. In an experimental research with both control and experimental groups, degree of freedom is .....

- a. N- 1
- b. N-2
- c. N-3
- d. N-4