

## In The Name of God

### Exam 1

Part A-Translate the following sentences to Persian:

- 1- Mastering the national symbols and the rules governing their applications may be time-consuming, but it is the price that must be pay for this superior mode of communication.
  
- 2- This product is always an integer, and the values of some of these factorial products are given in some statistics books .
  
- 3- The individuals or objects measured will each be assigned an identifying number .
  
- 4- The concept of a set is the starting point for all modern mathematics, and yet this idea could hardly be simpler .
  
- 5- The braces around the listing are used to indicate that the list make up a set.
  
- 6- Statistics is a science, not a branch of mathematics, but uses mathematical model as essential tools.
  
- 7- The midpoint or number in a distribution having 50% of the scores above it and 50% of the scores below it. If there are an odd number of scores, the median is the middle score.

- 8- A decimal number between 0.00 and  $\pm 1.00$  that indicates the degree to which two quantitative variables are related. The most common one used is the Pearson Product Moment correlation coefficient or just the Pearson coefficient.

Part B- Translate the following words to Persian:

1. Summation operator
2. Subscript
3. Well defined collections
4. Phenomena
5. Specifying a set
6. Indicator function
7. Interpretable
8. Ordered pairs
9. Relation
10. Countably finite

Part C - عبارات زیر را به انگلیسی روان ترجمه کنید:

۱. جبر خطی برای آمار
۲. روشهای نمونه گیری
۳. روشهای چند متغیره پیوسته
۴. آمار توصیفی و استنباطی
۵. جامعه و نمونه متناهی
۶. پارامترهای مرکزی و پراکندگی
۷. آمار توصیفی پایه آمار استنباطی است
۸. آنالیز رگرسیون