

(PREVIEW)
Indian Standard
STATISTICAL TESTS OF SIGNIFICANCE
PART 4 NON-PARAMETRIC TESTS

1 SCOPE

1.1 This standard (Part 4) lays down the following tests of significance:

- a) Kolmogorov-Smirnov one-sample test,
- b) Kolmogorov-Smirnov two-sample test,
- c) Sign test,
- d) Wilcoxon matched-pairs sign-rank test,
- e) Median test
- f) Mann-Whitney U test, and
- f) Wald-Wolfowitz run test.

1.2 For these tests, procedures to deal with small samples and large samples have been explained separately in this standard. The power efficiency of each test has also been indicated.

2 REFERENCES

The following standards contain provisions, which through reference in this text constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

<i>IS No.</i>	<i>Title</i>
6200 (Part 2) : 2004	Statistical test of significance: Part 2 χ^2 -test (<i>second revision</i>)
7920	Statistical vocabulary and symbols:
(Part 1) : 1994	Probability and general statistical terms (<i>second revision</i>)
(Part 2) : 1994	Statistical quality control (<i>second revision</i>)