

**(PREVIEW)**  
***Indian Standard***  
**STATISTICAL TESTS OF SIGNIFICANCE**  
**PART 1 NORMAL, *t*- AND *F*- TESTS**

## 1 SCOPE

**1.1** This standard (Part 1) lays down the following tests of significance:

- a) *One-sample test* — Testing of mean of a population against a specified value;
  - i) when the population variance is known, and
  - ii) when the population variance is not known.
  
- b) *Two-samples test* — Testing quality of means of two populations;
  - i) Testing for equality of variances of two populations; and
  - ii) Testing for proportions.

**1.2** This standard does not include the t-tests for regression coefficient and correlation coefficient as they are covered in IS 7300: 1995 'Methods of regression and correlation (*first revision*)'.

## 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>
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> )