

## **Abstract**

### **Constructing a Test to Assess Achievement in Engineering Drawing**

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This research had two objectives, the first was to construct a test and the second was to administer, score and statistically analyze the test scores to discover aspects of the Engineering Drawing Syllabus at the General Proficiency Level of the Caribbean Examinations Council (CXC) with which students, who had achieved a passing grade at the examination, continued to experience difficulty when required to apply the Principles, Practices and Conventions of the content of the same syllabus in which they had achieved passing grades.

One hundred and eighty multiple choice objective test items were constructed which addressed all the objectives comprising the syllabus. The items were divided into three tests, each of which comprised sixty items and were administered to students in Secondary Schools in Jamaica who would have been examined in the subject at the June, 2000, examination sessions.

Statistical techniques were applied to the test scores to select items for inclusion in the final test. The final test, when administered to students, scored and the scores analyzed would serve to indicate aspects of the subject which they may need to reteach, revise or administer additional exercises for practice to reinforce the required knowledge and applications of the Principles, Practices and Conventions of the subject.

**Keywords:** Bejaimal Beepat; Test construction; Achievement, Engineering Drawing; Statistical analysis.