FITTING AND TURNING SG **NOVEMBER 2006.**

General:

The impression is created that learners are not well prepared for the final examination. The learners are advised to use the same calculator, and to practice with same calculator throughout the year. The reason for this advice is that learners make unforced errors that are clearly operational errors.

Valuable marks are lost for not attempting many questions, which on the other hand indicate not proper preparation was done.

Like in previous years many learners do not used 81 Units or are not familiar with the relevant 81 Units.

Attention must be given to the manipulation of the technical formula.

Question 1

Question well answered. Thanks to all the candidates who place the answer sheet in the front of their answer book.

Question 2.

Question very poorly answered. The impression was created that this section of work was neglected during the academic year. Though this is such an important. section in preparing candidates for their working life.

Question 3.

Candidates do not know the formula to calculate area of a rectangular bar. Area = L. X B while numerous candidates used the formula to calculate the area for a round bar or hollow cylinder.

Question 4.

Question very poorly answered. Many candidates can not distinguish between an internal and an external dove tail. The dove tail terminology must studies to understand the questions pertaining to the dove tail. A basic knowledge of the six (6) trigonometric functions is of the utmost importance. It is advised that the educator should establish this before applying the above -mentioned functions and before carry on with the section of the syllabus.

Question 5.

Question was answered satisfactorily.

Question 6.

Question answered satisfactorily; accept for the lack of insight of some of the candidates. The lead was given as 18 mm and so effective diameter as 40 mm yet many candidates calculated the lead and effective diameter. Like mentioned above candidates must acquaint themselves in the app1ication of the basic knowledge of the six (6) trigonometric functions.

Question 7.

Question well answered.

Question 8.

Although this was a very simple question many candidates battle with this question. It can be because of a lack of insight; they do not understand the difference between area and volume and how to calculate it. It is also possible that this section of work is not emphasised during the academic year.

Question 9.

Very few candidates could identify the different milling operations, more emphasis should be placed on the different milling operations

Question 10.

Question very well answered.

Question 11.

Question very well answered.

Question 12.

Question well answered

Question 13.

Question well answered