

19.0: METAL WORK (445)

Metalwork is one of the industrial education subject offered at KCSE level. The Metalwork examination for the year 2004 as in the previous years comprised, a theory paper scaled down to 60% and a practical paper scaled to 40% to give a combined total of 100%. This report outlines the candidates' performance in Metalwork in 2004.

Table 19: Candidates Overall Performance in Metal Work for the Last Four Years

Year	Paper	Candidature	Max. Score	Mean Score	Standard Deviation
2001	1		60	27.16	9.02
	2		40	32.23	5.09
	Overall	368	100	57.05	15.00
2002	1		60	17.99	7.60
	2		40	32.52	4.43
	Overall	364	100	48.43	12.62
2003	1		60	23.93	8.59
	2		40	33.28	5.68
	Overall	358	100	57.23	12.22
2004	1		60	22.29	9.27
	2		40	34.23	3.34
	Overall	365	100	54.36	14.00

From the table above the following observations can be made:-

- The mean score in paper 1 dropped by 1.64 marks from 23.93 in 2003 to 22.29 in 2004.
- In paper 2 the mean score rose from 33.28 in 2003 to 34.23 in 2004.
- The overall mean score also dropped quite drastically from 57.23 in 2003 to 54.36 in 2004.

19.1 PAPER 1 (445/1)

Questions 4, 8, 10, 13 and 14 were poorly done as reflected in the candidates' responses and scores. The following discussions will focus on those questions which were reported to have been poorly done.

Question 4

Explain the cause of each of the following faults when drilling:

- oversize hole
- undersize hole

(2 marks)