

20.0: BUILDING CONSTRUCTION (446)

Building Construction, one of the subjects in industrial education test the candidates' ability to comprehend facts, analyse the working drawings, prepare the materials according to specifications given and construct the required structures. The subject is tested using two papers. Paper 1, a theory paper is weighted at 60% while paper 2 a practical/project paper is weighted at 40%.

The table below shows candidates' performance in Building construction (446) from 2001 to 2004.

Table 20: Candidates' Overall Performance in Building Construction for the Last Four Years

Year	Paper	Candidature	Max. Score	Mean Score	Standard Deviation
2001	1		60	20.15	7.99
	2		40	29.13	4.51
	Overall	867	100	48.66	11.00
2002	1		60	19.27	7.25
	2		40	30.19	4.09
	Overall	833	100	49.05	9.81
2003	1		60	22.15	8.70
	2		40	28.93	4.39
	Overall	721	100	51.08	10.93
2004	1		60	21.72	11.50
	2		40	30.35	4.07
	Overall	661	100	51.30	14.00

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

- The subject is taken by a few candidates and the candidature is going down as is shown in the table. Perhaps this is due to the fact that Building Construction is one of those subjects that are being phased out from the KCSE syllabus.
- Performance in the theory paper has remained quite low compared to the practical/project paper. While the average in the theory paper has been 20 ± 1.5 out of 60 marks, the practical project has been 30 ± 1 out of 40 marks.
- The general performance has been steadily increasing over the last four years as shown by the means 48.66, 49.05, 51.08 and 51.30 in the years 2001, 2002, 2003 and 2004 respectively.

Questions which were done poorly are discussed below.