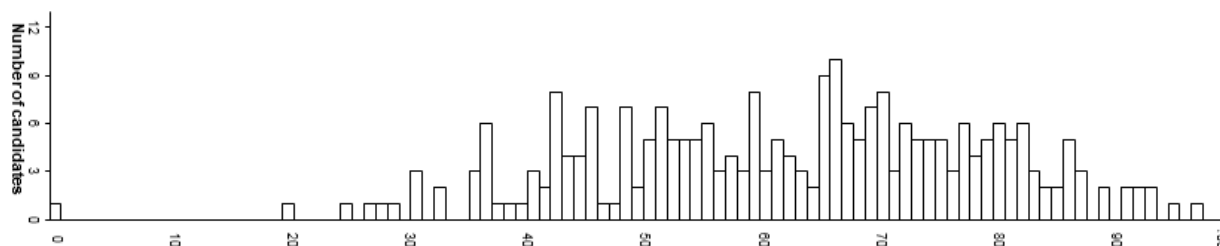




Summary report for candidates on the 2015 WACE examination in Engineering Studies Stage 3

Year	Number who sat	Number of absentees
2015	259	5
2014	179	4
2013	253	8

Examination score distribution



Summary

The number of candidates for this examination was higher than in previous years. The overall mean was 62.85%, almost identical to that in 2014. There was a greater variation in results between sections of the examination than in the previous two years.

	Number of candidates	Part A (Multiple-choice) mean %	Part B (Extended answer) mean %
Core content	259	66.5	73.6
Systems and control	29	49.0	46.5
Mechanical	147	69.9	62.7
Electronic/electrical	83	53.1	49.2

The maximum mark achieved was 97.83% and the minimum mark was 0%.

	Part A Multiple Choice Minimum (marks /10)	Part A Multiple Choice Maximum (marks /10)	Part B Extended Answer Minimum (marks available)	Part B Extended Answer Maximum (marks available)
Core content	0	10	9.67 (30)	29.33 (30)
Systems and control	3	8	2.5 (50)	41 (50)
Mechanical	0	10	4.21 (50)	47.89 (50)
Electronic/electrical	1	10	1 (50)	49.5 (50)

Two students did not attempt the extended answer section of the paper.

General comments

The great majority of candidates performed well in the Core content. Candidates who attempted the Mechanical specialist field performed better generally than those candidates who attempted the Systems and control or the Electronic/electrical specialist fields.

Advice for candidates

Candidates are advised to

- read all questions, including diagrams or circuits, carefully.
- read all possible responses in multiple-choice questions, and avoid rushing to answers that may simply look correct.
- refer to the Data Booklet to assist in answering questions.
- revise common practises and conventions covered in practical work when preparing for the examination.

Comments on questions

Section One: Core Content

Part A: Multiple-choice

Attempted by 259 Candidates Mean 6.65%(/10) Max 10.00% Min 0.00%

All candidates attempted all questions in this section. Most questions were answered well generally.

Section One: Core Content

Part B: Extended answer

Attempted by 257 Candidates Mean 22.07%(/30) Max 29.33% Min 9.67%

The great majority of candidates achieved good results in almost all questions in this section.

Section Two: Systems and control

Part A: Multiple-choice

Attempted by 29 Candidates Mean 4.90%(/10) Max 8.00% Min 3.00%

All candidates attempted all questions in this section.

Section Two: Mechanical

Part A: Multiple-choice

Attempted by 147 Candidates Mean 6.99%(/10) Max 10.00% Min 0.00%

All candidates attempted all questions in this section. Most of them understood the concepts tested by the questions.

Section Two: Electronic/electrical

Part A: Multiple-choice

Attempted by 83 Candidates Mean 5.31%(/10) Max 10.00% Min 1.00%

All candidates attempted all questions in this section. Many responses indicated that basic concepts were not understood.

Section Two: Systems and control

Part B: Extended answer

Attempted by 29 Candidates Mean 23.26%(/50) Max 41.00% Min 2.50%

Many candidates found this a difficult test of their understanding.

Section Two: Mechanical

Part B: Extended answer

Attempted by 146 Candidates Mean 31.37%(/50) Max 47.89% Min 4.21%

Section Two: Electronic/Electrical

Part B: Extended answer

Attempted by 82 Candidates Mean 24.62%(/50) Max 49.50% Min 1.00%