basic education
Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

QUALITATIVE ANALYSIS OF LEARNER RESPONSES
AND
EVALUATION OF THE QUESTION PAPERS (PER PAPER)
NATIONAL SENIOR CERTIFICATE 2025
WESTERN CAPE EDUCATION DEPARTMENT

SUBJECT	**MECHANICAL TECHNOLOGY (WELDING AND METALWORK)**		
QUESTION PAPER	**1**		
DURATION OF PAPER	**3 HOURS**		
INTERNAL MODERATOR	**MR LUYANDA KUTA**		
CHIEF MARKER	**MRS ATHINA DENNIS**		
DATES OF MARKING	**FROM: 29 NOVEMBER 2025**	**TO: 10 DECEMBER 2025**	
HEAD OF EXAMINATION	**MS LM BREDENKAMP**		

REPORT 2: QUALITATIVE ANALYSIS OF LEARNER RESPONSES

SECTION 1: ***(GENERAL OVERVIEW OF LEARNER PERFORMANCE IN THE QUESTION PAPER AS A WHOLE)***

The learner performance was generally low though it varied from different centres. The learner performance did not reach 30% passrate.

SECTION 2: ***COMMENT ON CANDIDATES' PERFORMANCE IN INDIVIDUAL QUESTIONS***

(It is expected that a comment will be provided for each question)

QUESTION 1
(a) General comment on the performance of learners in the specific question. Was the question well answered or poorly answered?
It was noticed that the question was answered well. The learners pass rate was 58.3% and these were generic multiple choice questions.
(b) Why was the question answered poorly? Also provide specific examples, indicate common errors committed by learners in this question, and any misconceptions.
No Applicable

(c)	***Provide suggestions for improvement in relation to Teaching and Learning.***
Not Applicable.	
(d)	***Describe any other specific observations relating to responses of learners and comments that are useful to teachers, subject advisors, teacher development etc.***
Not Applicable. Multiple choice questions	

QUESTION 2	
(a)	***General comment on the performance of learners in the specific question. Was the question well answered or poorly answered?***
The question was answered well. The learner pass rate was above 40% and these were safety questions.	
(b)	***Why was the question answered poorly? Also provide specific examples, indicate common errors committed by learners in this question, and any misconceptions.***
Question 2.1 was phrased differently from the learners expectations and the learners responded with different responses.	
(c)	***Provide suggestions for improvement in relation to Teaching and Learning.***
Learners should read the questions carefully and must not take the for granted	
(d)	***Describe any other specific observations relating to responses of learners and comments that are useful to teachers, subject advisors, teacher development etc.***
Not Applicable	

QUESTION 3	
(a)	***General comment on the performance of learners in the specific question. Was the question well answered or poorly answered?***
The question was answer poorly with an average of 25%	
(b)	***Why was the question answered poorly? Also provide specific examples, indicate common errors committed by learners in this question, and any misconceptions.***
It's a theoretical question which means that learner had to study.	
(c)	***Provide suggestions for improvement in relation to Teaching and Learning.***
The learner must be encouraged to study the theoretical part through the year.	
(d)	***Describe any other specific observations relating to responses of learners and comments that are useful to teachers, subject advisors, teacher development etc.***
Practical tasks should be conducted on heat treatment and properties of materials.	

QUESTION 4
(a) General comment on the performance of learners in the specific question. Was the question well answered or poorly answered?
The question was answer poorly with an average of 42.9%
(b) Why was the question answered poorly? Also provide specific examples, indicate common errors committed by learners in this question, and any misconceptions.
Not Applicable
(c) Provide suggestions for improvement in relation to Teaching and Learning.
Not Applicable
(d) Describe any other specific observations relating to responses of learners and comments that are useful to teachers, subject advisors, teacher development etc.
Not Applicable. Multiple choice questions

QUESTION 5
(a) General comment on the performance of learners in the specific question. Was the question well answered or poorly answered?
The question was answer poorly with an average of 30.4%
(b) Why was the question answered poorly? Also provide specific examples, indicate common errors committed by learners in this question, and any misconceptions.
The question was clear and there were no errors and no misconceptions.
(c) Provide suggestions for improvement in relation to Teaching and Learning.
Learners must be taught welding symbols ad machine components at Grade 11 and 10 thoroughly.
(d) Describe any other specific observations relating to responses of learners and comments that are useful to teachers, subject advisors, teacher development etc.
Learners are not quite sure of the welding symbols. They guess when responding to the welding symbols.

QUESTION 6
(a) General comment on the performance of learners in the specific question. Was the question well answered or poorly answered?
The question was answer poorly with an average of 44.4%
(b) Why was the question answered poorly? Also provide specific examples, indicate common errors committed by learners in this question, and any misconceptions.
Learners struggled to identify and label tools components.
(c) Provide suggestions for improvement in relation to Teaching and Learning.
Teachers should focus on teaching learner to identify tool components and to label them correctly at Grade 10 and 11.

(d)	***Describe any other specific observations relating to responses of learners and comments that are useful to teachers, subject advisors, teacher development etc.***
Teachers should focus on teaching learner to identify tool components and to label them correctly at Grade 10 and 11. The teacher should make sure that learner recall this components using professional terms.	

QUESTION 7	
(a)	***General comment on the performance of learners in the specific question. Was the question well answered or poorly answered?***
The question was poorly performed at average 15.5% passrate	
(b)	***Why was the question answered poorly? Also provide specific examples, indicate common errors committed by learners in this question, and any misconceptions.***
The learners lack mathematical skills and knowledge	
(c)	***Provide suggestions for improvement in relation to Teaching and Learning.***
Teachers should emphasize on teaching learners how to manipulate formulas, substitution of values, leaving the answer with correct units, choosing the correct formulas from the formula sheet.	
(d)	***Describe any other specific observations relating to responses of learners and comments that are useful to teachers, subject advisors, teacher development etc.***
Teachers should emphasize on teaching learners how to manipulate formulas, substitution of values, leaving the answer with correct units, choosing the correct formulas from the formula sheet. Teachers should allow learners to use drawing instruments and to make sure learners are able to measure and convert the values correctly.	

QUESTION 8	
(a)	***General comment on the performance of learners in the specific question. Was the question well answered or poorly answered?***
The question was poorly answered at average of about 4.3% passrate	
(b)	***Why was the question answered poorly? Also provide specific examples, indicate common errors committed by learners in this question, and any misconceptions.***
It was a theoretical question that needed learners to sacrifice time to study prior examinations	
(c)	***Provide suggestions for improvement in relation to Teaching and Learning.***
Learners lack knowledge in practical understanding these chapters examined on this questions before responding to them	
(d)	***Describe any other specific observations relating to responses of learners and comments that are useful to teachers, subject advisors, teacher development etc.***
The teachers should compile notes so that learners are able to read on their own. These notes should be compiled from the previous examination marking guidelines.	

QUESTION 9
(a) General comment on the performance of learners in the specific question. Was the question well answered or poorly answered?
The question was poorly answered at average of about 5.6% passrate
(b) Why was the question answered poorly? Also provide specific examples, indicate common errors committed by learners in this question, and any misconceptions.
It was a theoretical question that needed learners to sacrifice time to study prior examinations
(c) Provide suggestions for improvement in relation to Teaching and Learning.
Learners lack knowledge in practical understanding these chapters examined on this questions before responding to them
(d) Describe any other specific observations relating to responses of learners and comments that are useful to teachers, subject advisors, teacher development etc.
The teachers should compile notes so that learners are able to read on their own. These notes should be compiled from the previous examination marking guidelines.

QUESTION 10
(a) General comment on the performance of learners in the specific question. Was the question well answered or poorly answered?
The question was answer poorly with an average of 12.4%
(b) Why was the question answered poorly? Also provide specific examples, indicate common errors committed by learners in this question, and any misconceptions.
It was a theoretical question that needed learners to sacrifice time to study prior examinations
(c) Provide suggestions for improvement in relation to Teaching and Learning.
Learners lack knowledge in practical understanding these chapters examined on this questions before responding to them
(d) Describe any other specific observations relating to responses of learners and comments that are useful to teachers, subject advisors, teacher development etc.
The teachers should compile notes so that learners are able to read on their own. These notes should be compiled from the previous examination marking guidelines.

QUESTION 11
(a) General comment on the performance of learners in the specific question. Was the question well answered or poorly answered?
The question was answer poorly with an average of 23.8%
(b) Why was the question answered poorly? Also provide specific examples, indicate common errors committed by learners in this question, and any misconceptions.
This question involves calculations which the learners lack the most.
(c) Provide suggestions for improvement in relation to Teaching and Learning.
Learners should be taught how to solved calculations related to Pythagoras Theorem.

(d) Describe any other specific observations relating to responses of learners and comments that are useful to teachers, subject advisors, teacher development etc.
Learners should not be struggling with these calculation as they are straight forward calculations. Learner only need to do more calculations on Pythagoras Theorem.