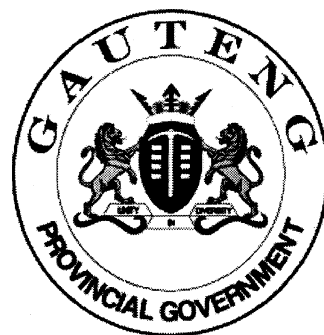


CANDIDATE'S NUMBER / KANDIDAAT SE NOMMER

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**SENIOR CERTIFICATE  
EXAMINATION  
*SENIORSERTIFIKAAT-EKSAMEN***



**FEBRUARY / MARCH  
*FEBRUARIE / MAART***

**2007**

**WELDING AND  
METALWORKING  
*SWEIS EN  
METAALBEWERKING***

**ANSWER BOOK  
*ANTWOORDBOEK***

**SG**

**716-2/X**

**X05**



**Cover + 6 pages / Voorblad + 6 bladsye**

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Total/Totaal

--

Question / Vraag 1.1		
Indicate your choice with an X. Dui jou keuse aan met 'n X.		
	TRUE WAAR	FALSE ONWAAR
1.1.1		
1.1.2		
1.1.3		
1.1.4		
1.1.5		
1.1.6		
1.1.7		
1.1.8		
1.1.9		
1.1.10		
1.1.11		
1.1.12		
1.1.13		
1.1.14		
1.1.15		

Question / Vraag 1.2	
Indicate your choice. Dui jou keuse aan.	
1.2.1	
1.2.2	
1.2.3	
1.2.4	
1.2.5	
1.2.6	
1.2.7	
1.2.8	
1.2.9	
1.2.10	
1.2.11	
1.2.12	
1.2.13	
1.2.14	
1.2.15	
1.2.16	
1.2.17	
1.2.18	
1.2.19	
1.2.20	

Question / Vraag 1.3				
Indicate your choice with an X. Dui jou keuse aan met 'n X.				
	A	B	C	D
1.3.1				
1.3.2				
1.3.3				
1.3.4				
1.3.5				

<i>REMARK ONLY / SLEGS HERMERK</i>						Question Vraag	<i>NORMAL MARKING / NORMALE MERK</i>					
Marks / Punte			Initials / Paraaf				Marks / Punte			Initials / Paraaf		
H	T	U	Mark	Mod	Cont		H	T	U	Mark	Mod	Cont
						1						
						2						
						3						
						4						
						5						
						6						
						7						
						Total Totaal						

DISTRICT  
DISTRİK

--	--

Total/Totaal

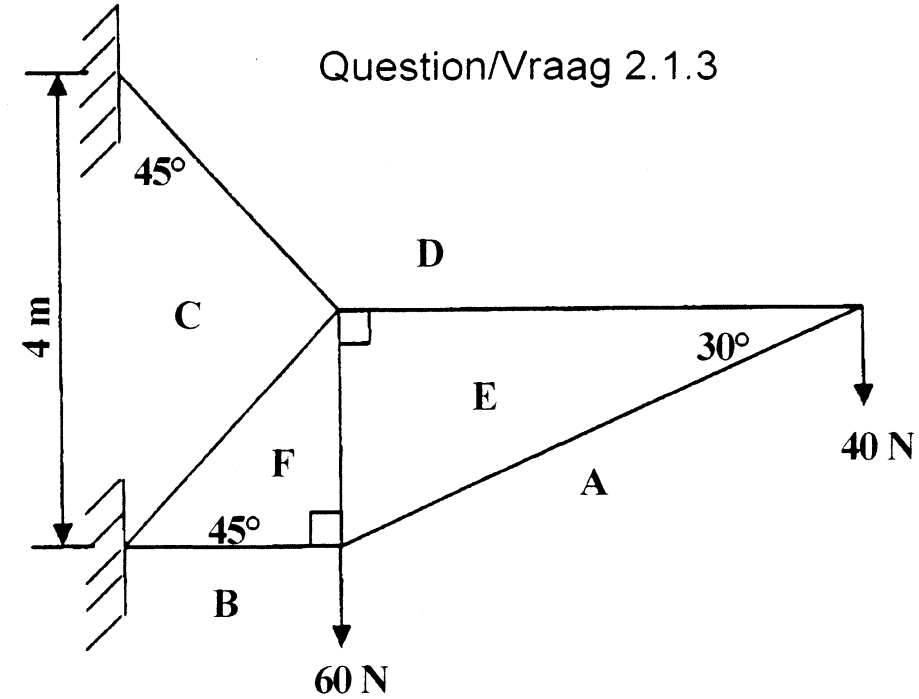
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Question/Vraag 2.1.1

Question/Vraag 2.1.2

MEMBER ONDERDEEL	MEASUREMENT mm AFMETING mm	FORCE N KRAG N	NATURE AARD
AE			
DE			
FE			
FB			
FC			
DC			

Question/Vraag 2.1.3



d

Question/Vraag 2.2.1

\_\_\_\_\_

\_\_\_\_\_

Question/Vraag 2.2.2

BM(C) \_\_\_\_\_

BM(B) \_\_\_\_\_

BM(A) \_\_\_\_\_

\_\_\_\_\_

DISTRICT  
DISTRİK

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3.1 LEFT FORCE/ LINKERKANTSTE BELASTING

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---



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RIGHT FORCE/REGTERKANTSTE BELASTING

---



---



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3.2 BM(A)

---

BM(B)

---

BM(C)

---

BM(D)

---

BM(X)

---

3.3 SF/SK(A)

---

SF/SK(B)

---

SF/SK(C)

---

SF/SK(D)

---

SF/SK(X)

---

3.5 Bending moment diagram  
Buigmomentdiagram

3.6 Shear force diagram  
Skuifkragdiagram

0 Nm

0 Nm

0 N

3.4 Space diagram / Ruimtediagram

Total/Totaal

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DISTRICT  
DISTRİK

--	--

Total/Totaal

4.1.1

4.2

4.4

4.1.2

4.3

4.5

A)

B)

C)

4.1.3

4.6

A)

B)

C)

4.1.4

4.7

A)

B)

C)

DISTRICT  
DISTRİK

5.1.1

Mark Merk	Quantity needed Aantal benodig	Material Needed (m) Materiaal benodig (m)	Mass kg/m Massa kg/m	Total mass per kg Totale massa per kg	Tarrif/kg Tarief/kg	Amount Bedrag
A			8,8		R5,70	
B			8,8		R5,70	
C			6,49		R4,35	
D			6,49		R4,35	
				Welding material Sweismateriaal		
				Total cost Totale koste		

5.2

Total/Totaal

--

5.1.2 Labour costs / Arbeidskoste

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5.1.3 Overhead costs / Drakoste

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5.1.4 Total cost/Totale koste

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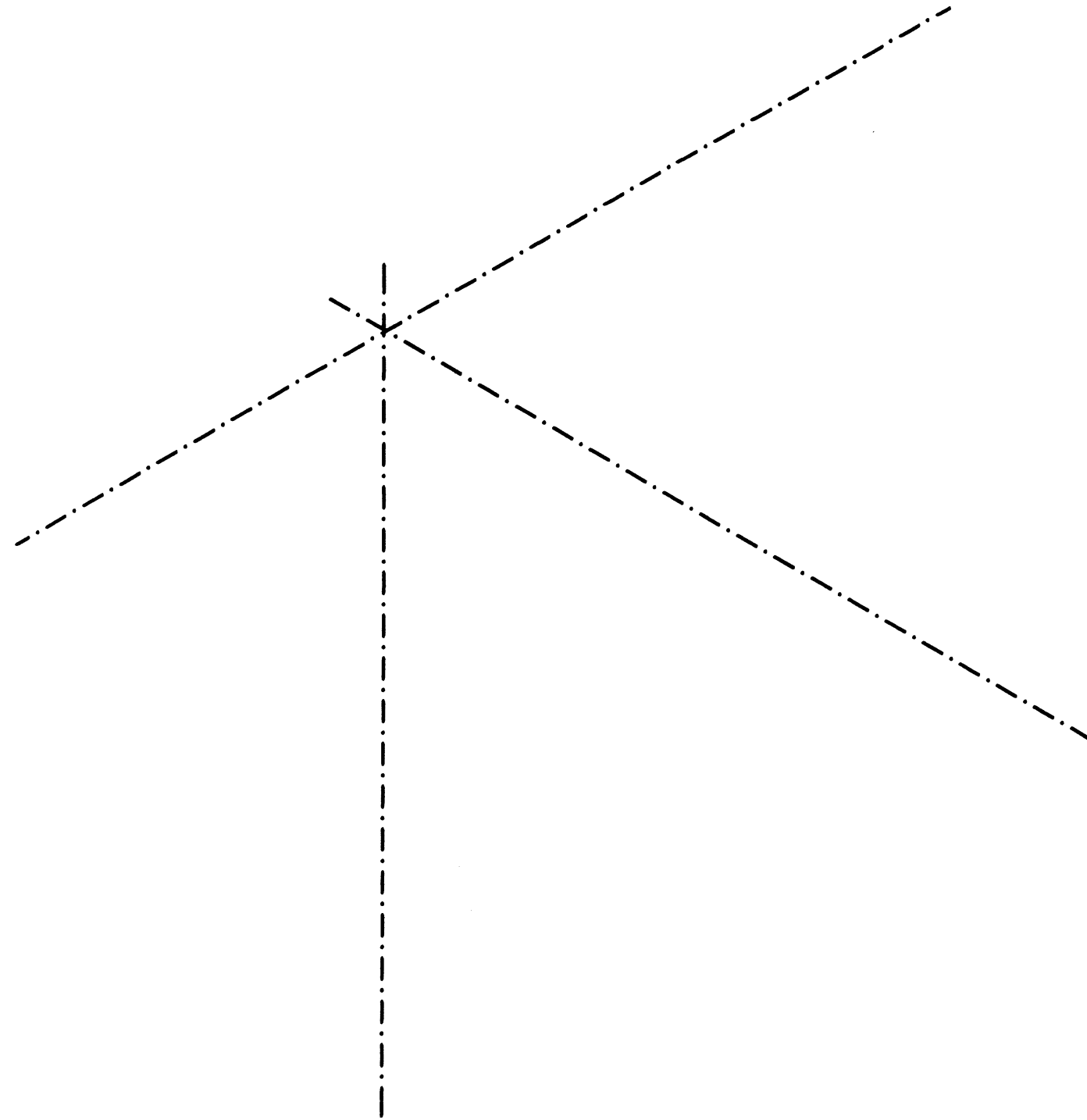


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DISTRİK

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Question/Vraag 6.1



QUESTION / VRAAG 6

Total/Totaal

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Question/Vraag 6.2

6.2.1 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

6.2.2 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

6.2.3 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

6.2.4 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

6.2.5 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

DISTRICT  
DISTRİK

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EXAMINATION NUMBER  
EKSAMENNOMMER \_\_\_\_\_

CENTRE NUMBER  
SENTRUMNOMMER \_\_\_\_\_

SENIOR CERTIFICATE EXAMINATION:- \_\_\_\_\_  
SENIORSERTIFIKAAT-EKSAMEN"- \_\_\_\_\_

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