higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE

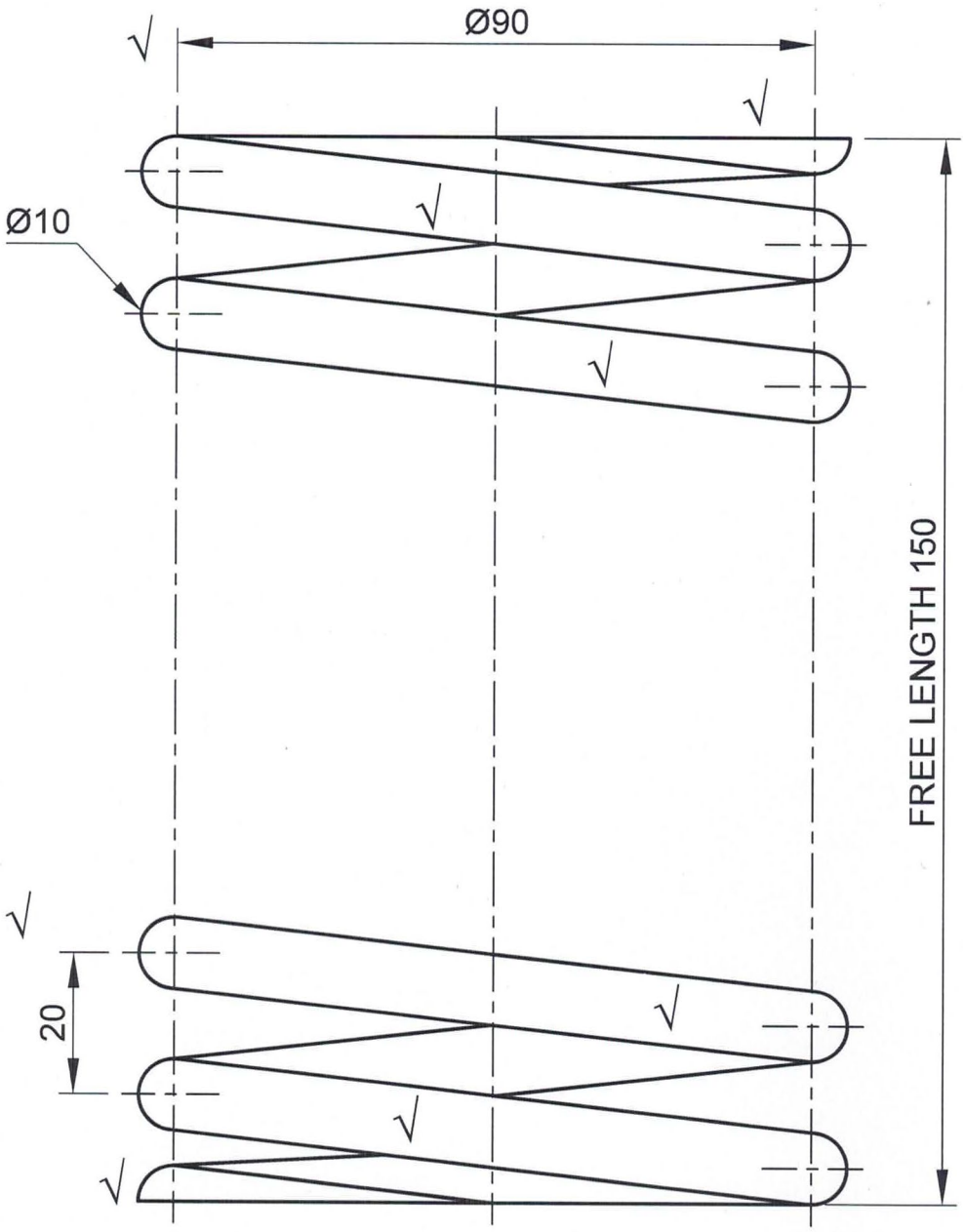
MECHANICAL DRAUGHTING

14 NOVEMBER 2019

This marking guideline consists of 7 pages.

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QUESTION 1: CONVENTIONAL REPRESENTATION

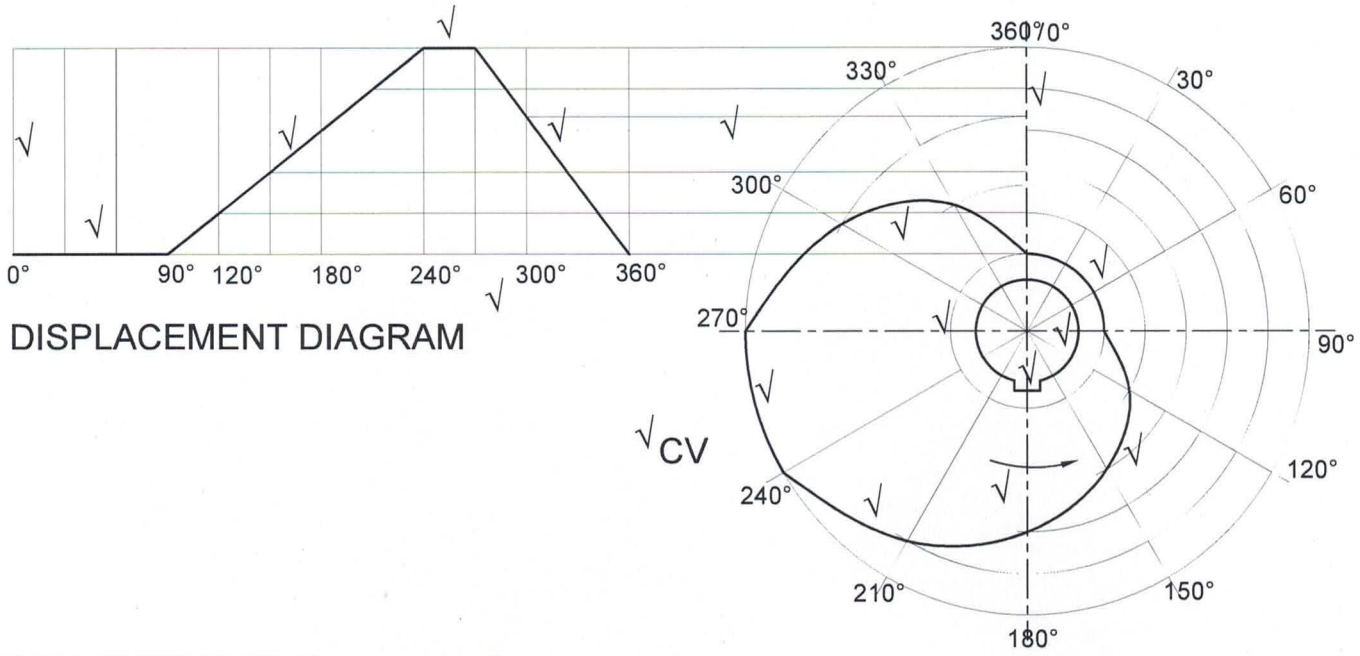


CORRECTNESS	= 3%
LINEWORK	= 3%
ACCURACY	= 2%
DIRECTION	= 1%
DIMENSIONS	= 1%

[10]

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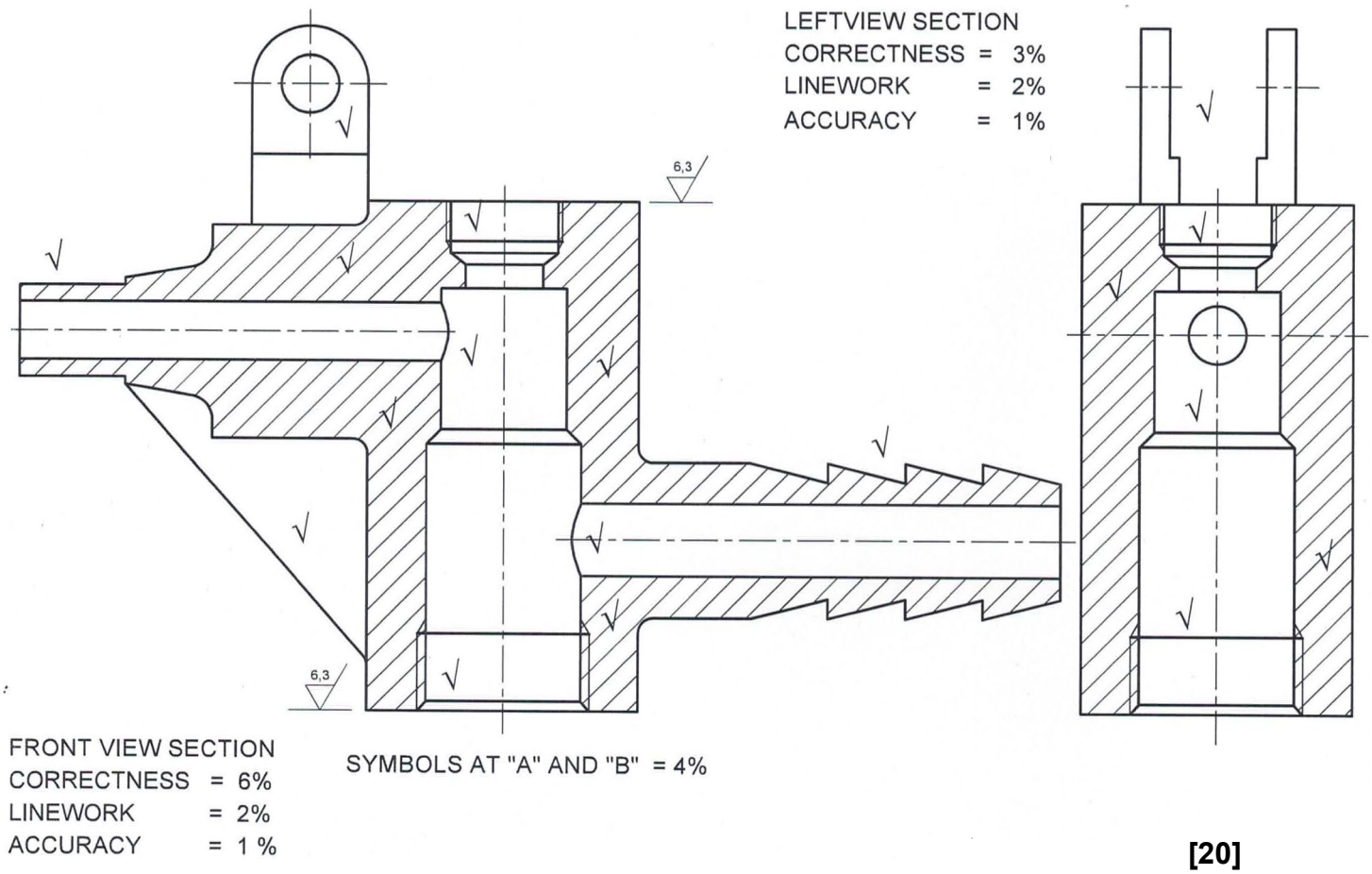
QUESTION 2: CAM PROFILES



DISPLACEMENT DIAGRAM	= 3%
CAM PROFILE	= 6%
LINEWORK	= 2%
ACCURACY	= 3%
KEYWAY DETAIL	= 1%

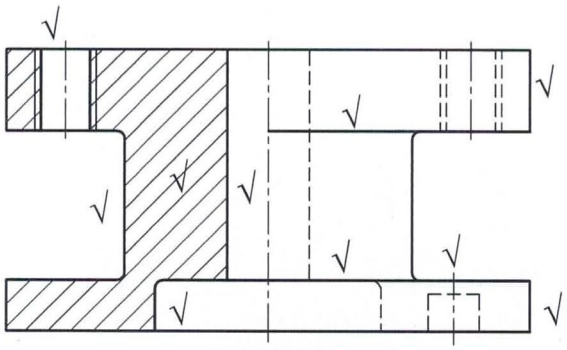
[15]

QUESTION 3: SECTIONAL DRAWING

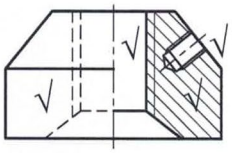


[20]

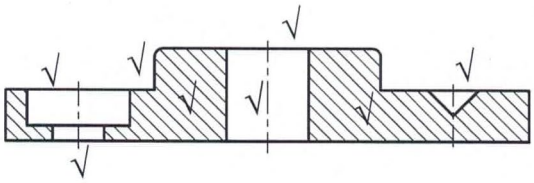
QUESTION 4: DETAIL DRAWING



CORRECTNESS = 5% ITEM 1
LINEWORK = 3%
ACCURACY = 1%



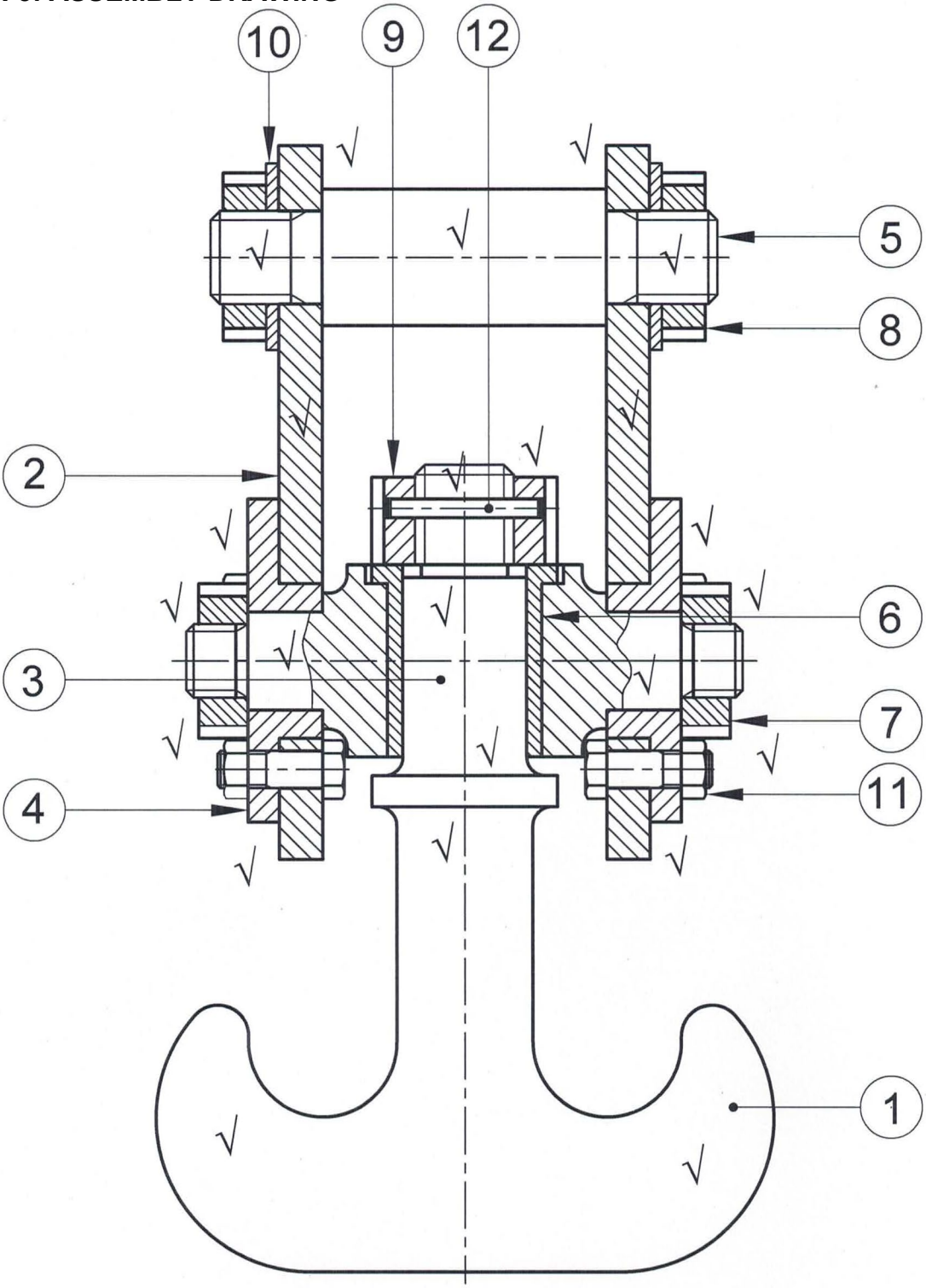
CORRECTNESS = 2% ITEM 4
LINEWORK = 1%
ACCURACY = 1%



CORRECTNESS = 4% ITEM 2
LINEWORK = 2%
ACCURACY = 1%

[20]

QUESTION 5: ASSEMBLY DRAWING



CORRECTNESS	= 12%
LINEWORK	= 5%
ACCURACY	= 3%
ITEM NUMBERS	= 3%
THREAD CONVENTIONS	= 3%
PARTS LIST	= 4%

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PARTS LIST			
ITEM NUMBER	**PART NAME**	**QUANTITY**	**MATERIAL**
ITEM 1	CRANE HOOK	1 OFF	MILD STEEL
ITEM 2	SUPPORT PLATE	2 OFF	MILD STEEL
ITEM 3	HOOK ANCHOR	3 OFF	MILD STEEL
ITEM 4	END BUSH	1 OFF	MILD STEEL
ITEM 5	PLATE SPACERS	3 OFF	MILD STEEL
ITEM 6	BUSH	1 OFF	GUN METAL
ITEM 7	LOCKNUT	2 OFF	MILD STEEL
ITEM 8	LOCKNUT	6 OFF	MILD STEEL
ITEM 9	LOCKNUT	1 OFF	MILD STEEL
ITEM 10	WASHER	6 OFF	MILD STEEL
ITEM 11	BOLT AND NUT M6	6 OFF	MILD STEEL
ITEM 12	PIN DIA 3 m × 25 long	1 OFF	MILD STEEL

[30]

QUESTION 6: BALANCED LAYOUT AND NEATNESS

Layout, neatness and general impression of the DRAWING SHEET **[5]**

TOTAL: 100

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