higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE: MULTI-DISCIPLINARY DRAWING OFFICE PRACTICE

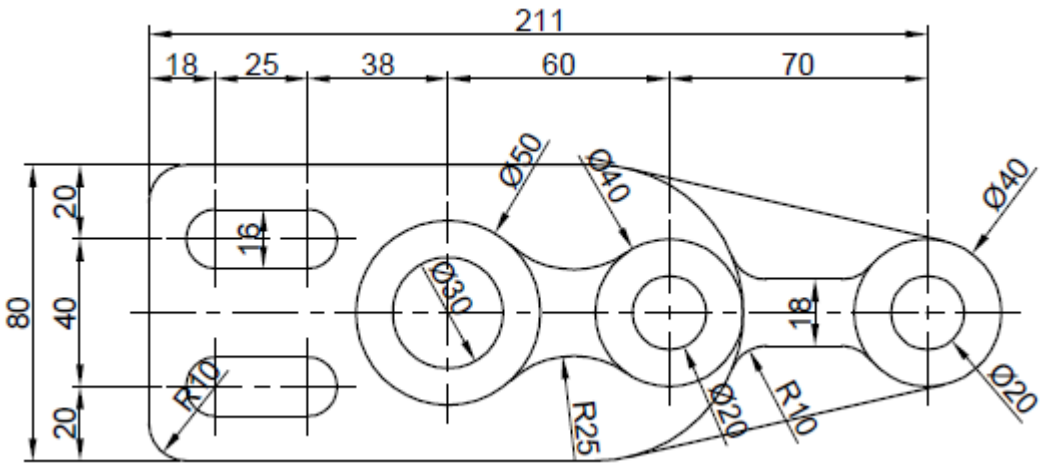
GENERAL DRAUGHTING

12 APRIL 2018

This marking guideline consists of 10 pages.

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QUESTION 1: GEOMETRIC CONSTRUCTION



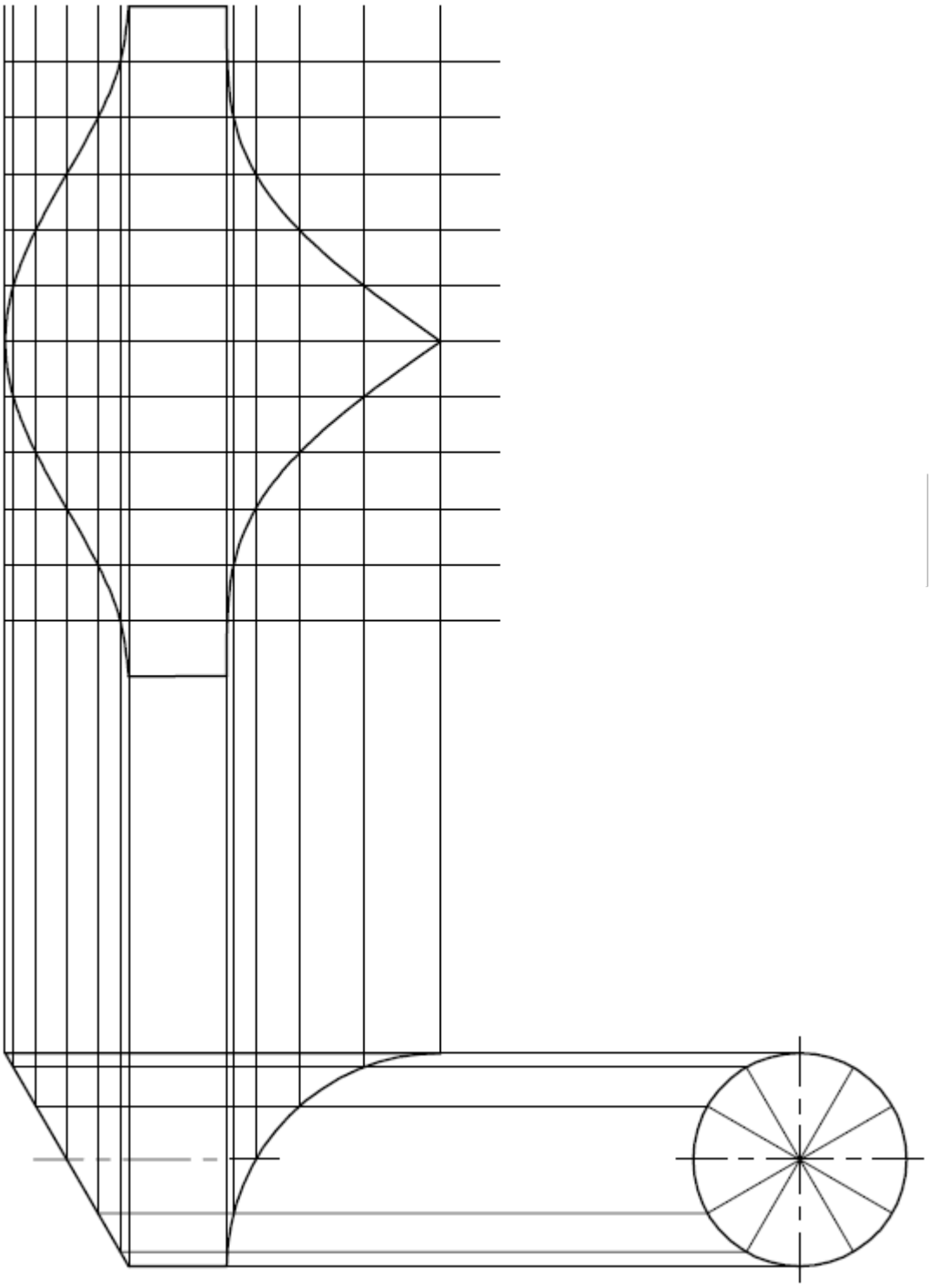
GUIDE PLATE

SCALE 1 : 2

MARKING CRITERIA	MARKS	TOTAL ACHIEVED
Correctness	10	
Accuracy	4	
Line work	2	
Neatness	2	
Scale	2	
TOTAL:	**20**	

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QUESTION 2: DEVELOPMENT

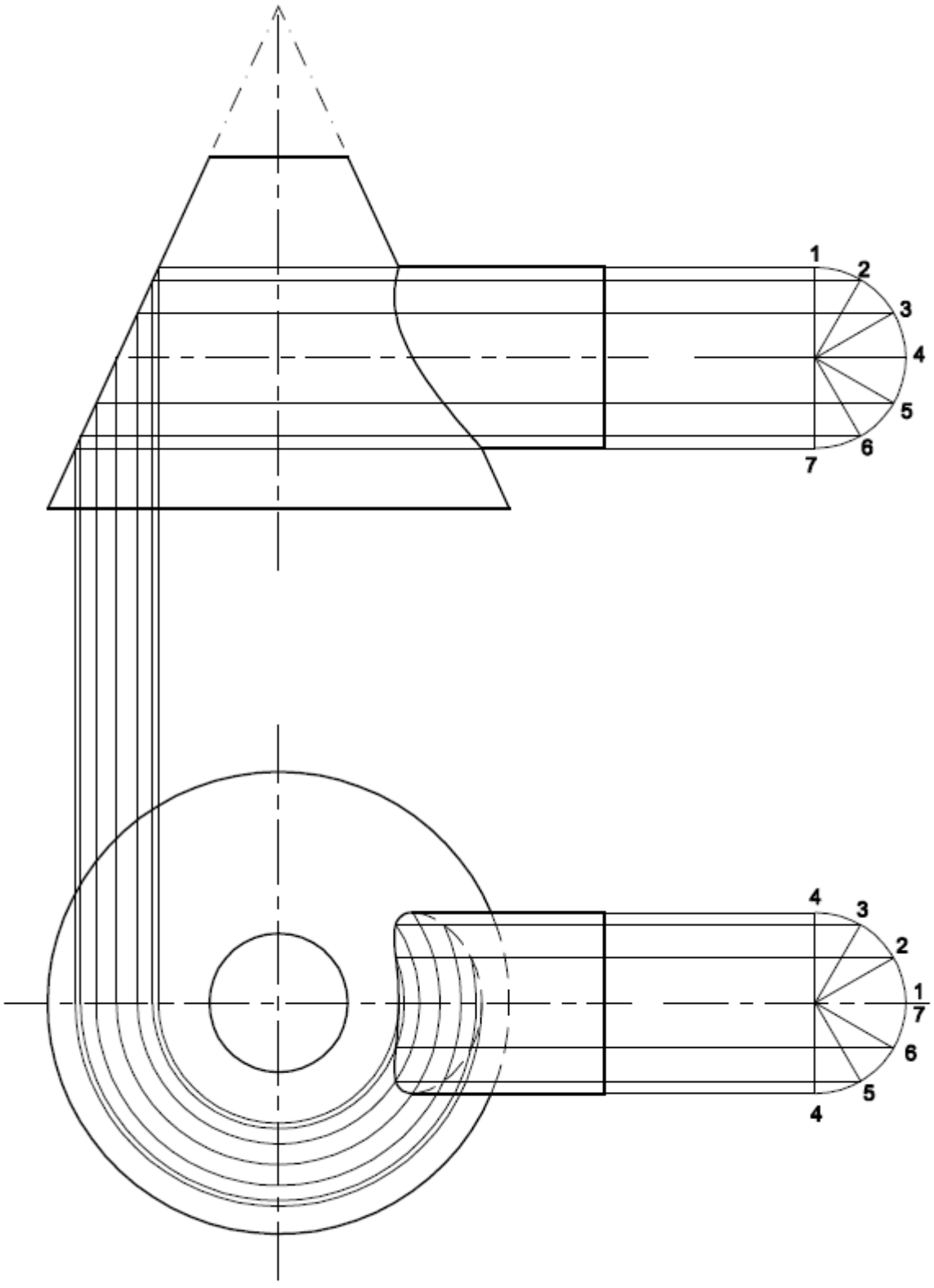


SCALE 1 : 1

MARKING CRITERIA	**MARKS**		**TOTAL ACHIEVED**
	GV	**DEV**	
Correctness	2	10	
Accuracy	1	2	
Line work	1	2	
Neatness	1	1	
	5	15	
TOTAL:	**20**		

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QUESTION 3: INTERPENETRATION



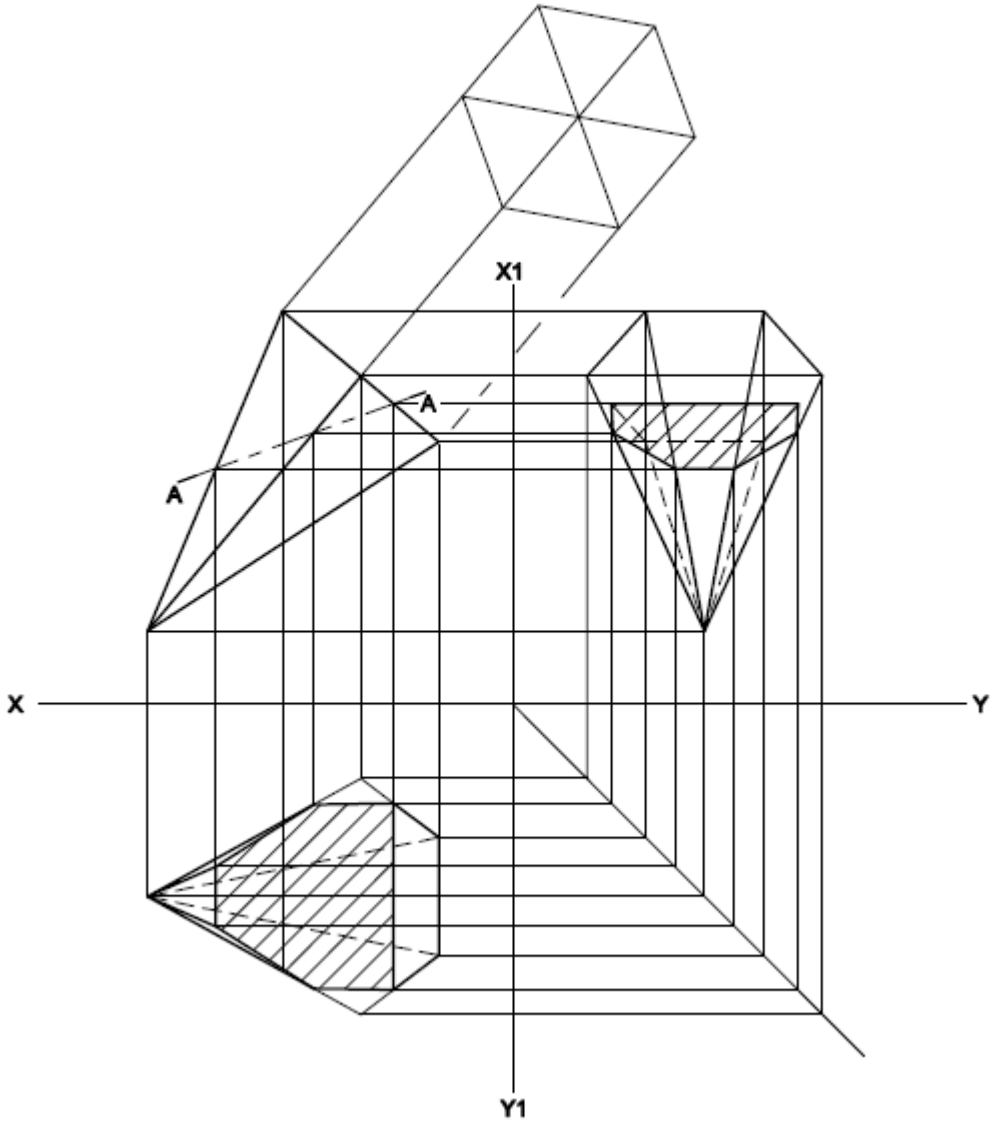
CONICAL ROOF WITH DUCT

SCALE 1 : 5

MARKING CRITERIA	MARKS		TOTAL ACHIEVED
	FV	**TV**	
Correctness	3	3	
Accuracy	2	2	
Line work	2	2	
Neatness	0,5	0,5	
	7,5	7,5	
TOTAL:	**15**		

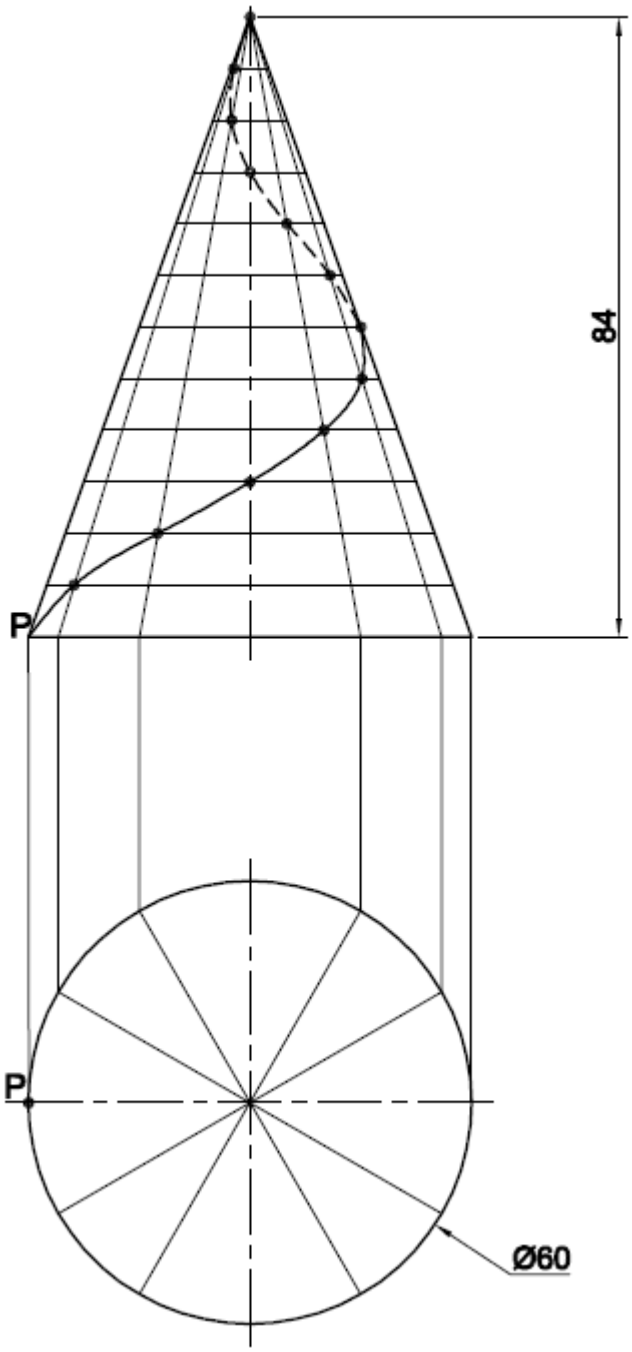
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QUESTION 4: ORTHOGRAPHIC PROJECTION



MARKING CRITERIA	MARKS			TOTAL ACHIEVED
	GV	**TV**	**LV**	
Correctness	2	5	5	
Accuracy	1	2,5	2,5	
Line work	0,5	2	2	
Neatness	0,5	0,5	0,5	
	4	10	10	
TOTAL:	**24**			

QUESTION 5: THE LOCI



CONICAL HELIX

SCALE 1 : 1

FIGURE 5

MARKING CRITERIA	MARKS	TOTAL ACHIEVED
Correctness	7	
Accuracy	3	
Line work	3	
Neatness	2	
TOTAL:	**15**	

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QUESTION 6: THEORY

	INSTRUMENT	USE
6.1	SET SQUARE	TO DRAW VERTICAL OR INCLINED LINES
6.2	SPRING BOW COMPASS	TO DRAW CIRCLES AND ARCS
6.3	DRAWING BOARD WITH T-SQUARE	DRAWING SHEET IS ATTACHED ON IT
6.4	CLUTCH PENCIL	FOR DRAWING DIFFERENT LINES
6.5	DRAWING CLIPS	FIX THE DRAWING SHEET TO THE SURFACE OF THE BOARD
6.6	DRAWING SHEETS	ALL DRAWINGS ARE DONE ON THE PAPER
6.7	DUSTER	KEEP THE DUST OFF ALL INSTRUMENTS

(Any 3 × 2) (6)

TOTAL: 100

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