higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE: MULTI-DISCIPLINARY DRAWING OFFICE PRACTICE

COMPUTER-AIDED DRAUGHTING

12 AUGUST 2019

This marking guideline consists of 7 pages.

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Accept any correct alternative answer.

QUESTION 1: COMPUTER ORIENTATION

1.1 Virus is an umbrella term used to describe malicious programs that unwantedly install themselves onto a computer. Viruses will cause a range of damages from the very mild to the entire loss of computer data. (3)

1.2 Safe mode is a way for the Windows operating system to run with the minimum system files necessary. (2)

1.3 Bluetooth is an effective wireless method used for transferring information between computers or mobile phones or between certain other electronic equipment. It is only effective over short distances. (2)

1.4 Default is the setting that a computer assumes as correct. (1)

1.5 Router (1)

1.6 Peripheral (1)
[10]

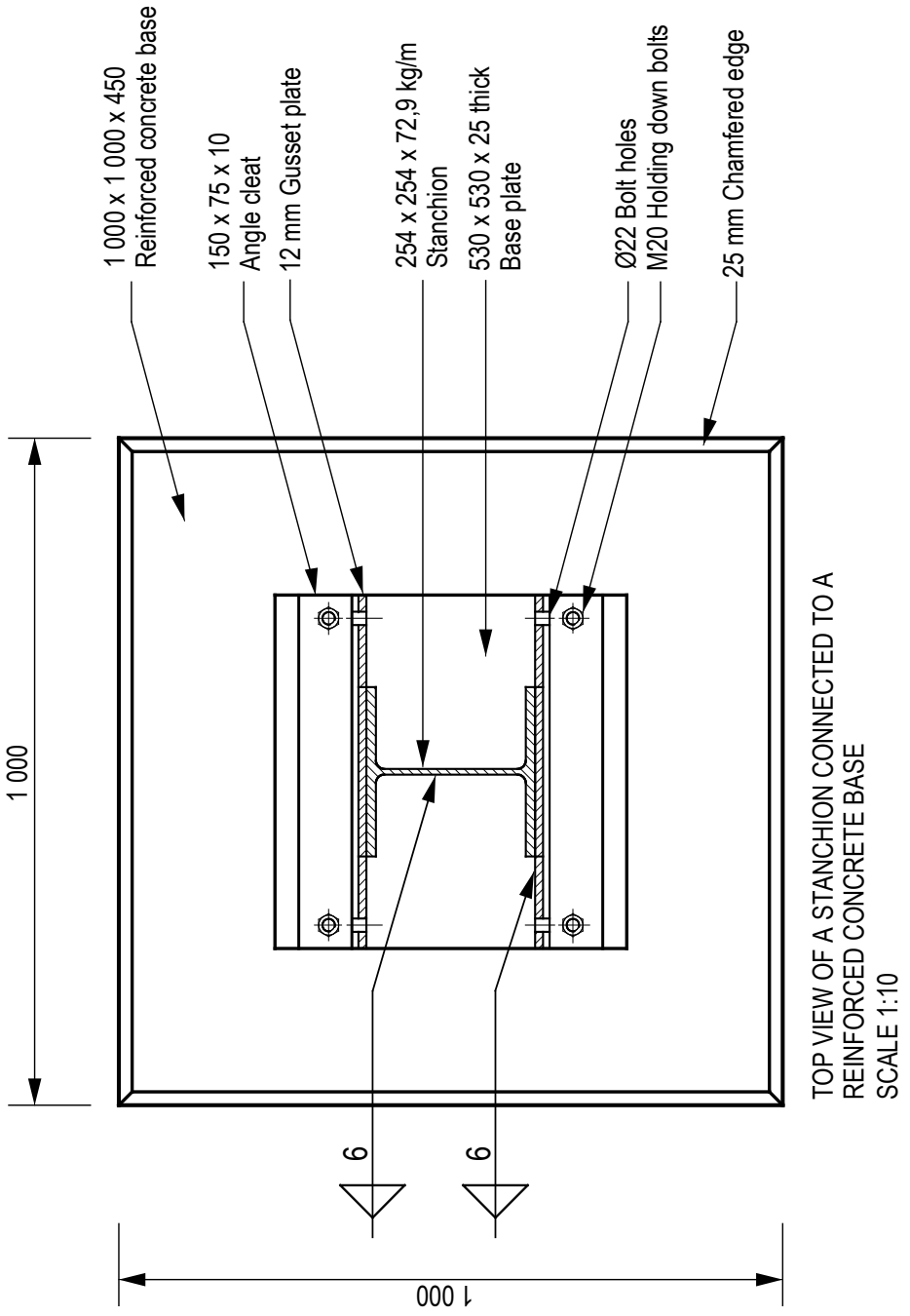
QUESTION 2: STRUCTURAL STEEL DETAILING

MARK ALLOCATION

Correctness:	
RC base	2
Chamfer edge	1
Base plate	2
Stanchion	2
HD Bolts	2
Angles	3
Gusset plate	2
Weld Symbols	2
	16

Accuracy	4
Labels	3
Dimensions	1
Sectioning	2
Title & scale	1
	11

Total = 16 + 11
= 27 / 1.5
= 18 marks



[18]

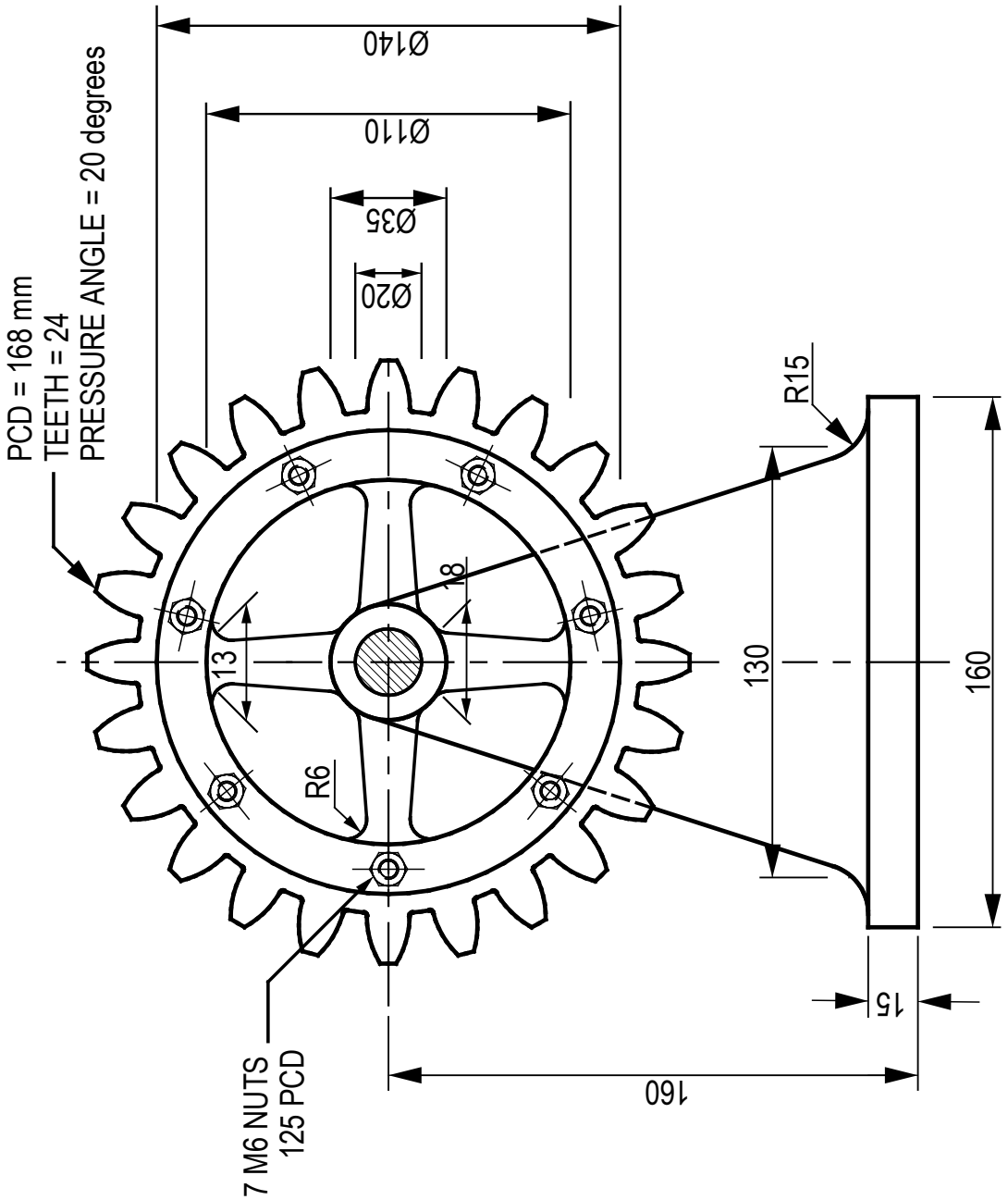
QUESTION 3: GENERAL AND MECHANICAL DRAUGHTING

MARK ALLOCATION

Correctness:	
Gear corr.	4
PCD nuts	4
Spokes	4
Shaft	2
Base	2
Stand	3
	19

Accuracy	3
Centre lines	2
Hatching	1
Labels	2
Dimensions	3
	11

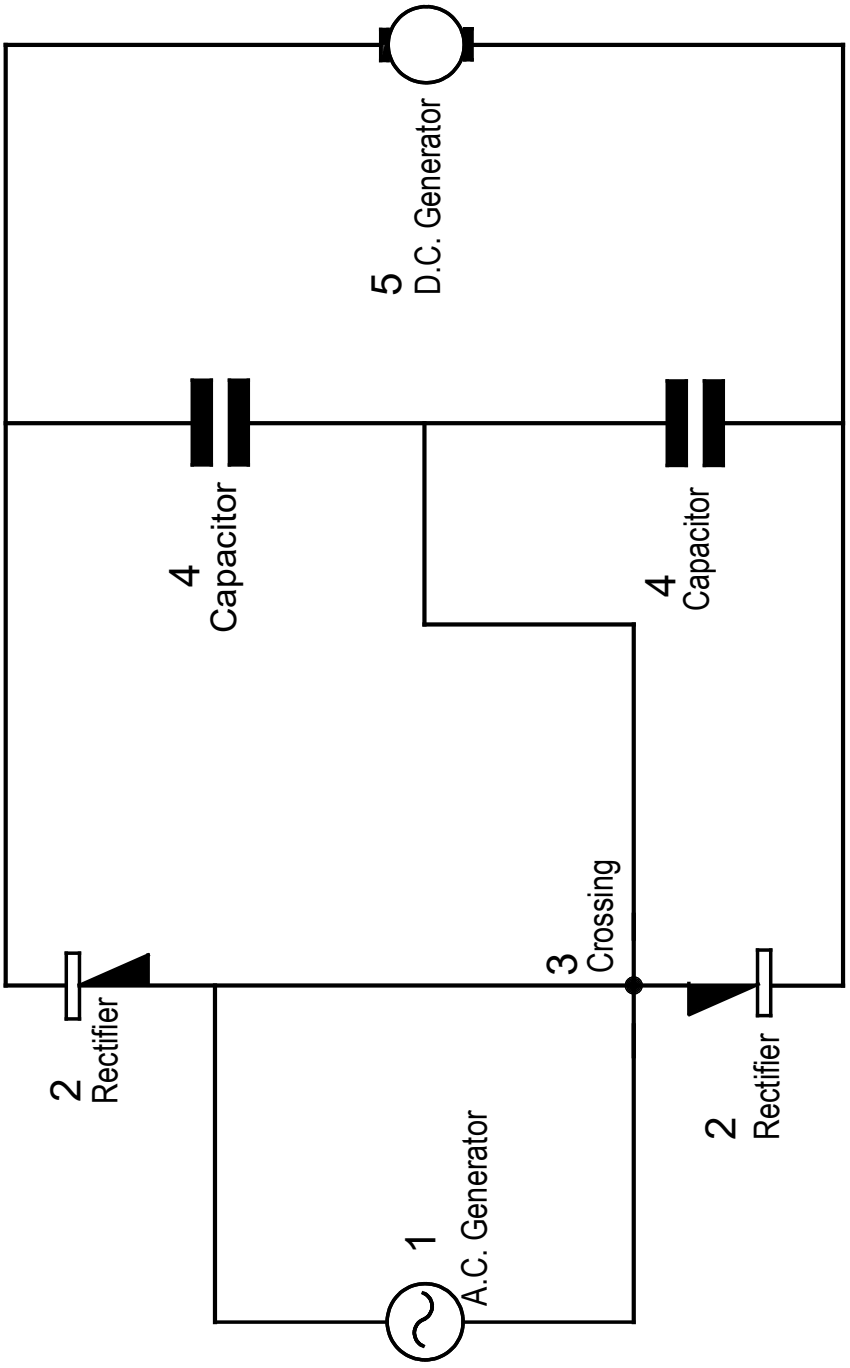
Total = 19 + 11 = 30 marks



[30]

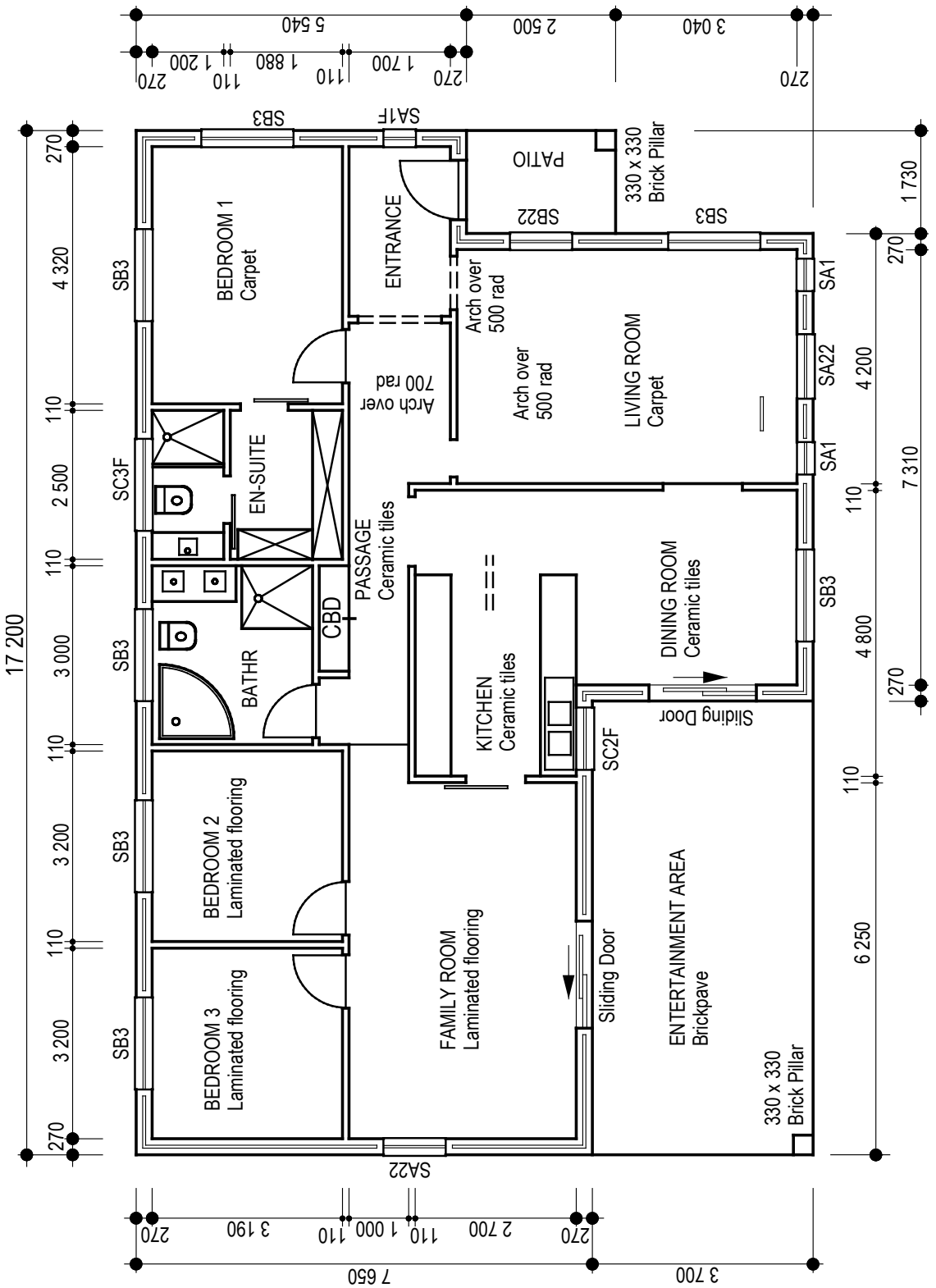
QUESTION 4: ELECTRICAL DRAUGHTING

MARK ALLOCATION		
Good proportion	1	
All symbols in place	7	
Accuracy	2	
Labels	2	
Total		12



[12]

QUESTION 5: BUILDING DRAUGHTING



PLAN VIEW OF A LUXURY HOUSE
SCALE 1:100

MARK ALLOCATION		
Overall impression		2
Correctness:		18
External walls corr	4	
Internal walls	3	
Windows	3	
Doors	3	
Arches	2	
Bathroom fitments x 2	3	
Accuracy / scale		4
Labels		3
Dimensions		3
		30

[30]

TOTAL: 100

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