



**higher education  
& training**

Department:  
Higher Education and Training  
**REPUBLIC OF SOUTH AFRICA**

# **MARKING GUIDELINE**

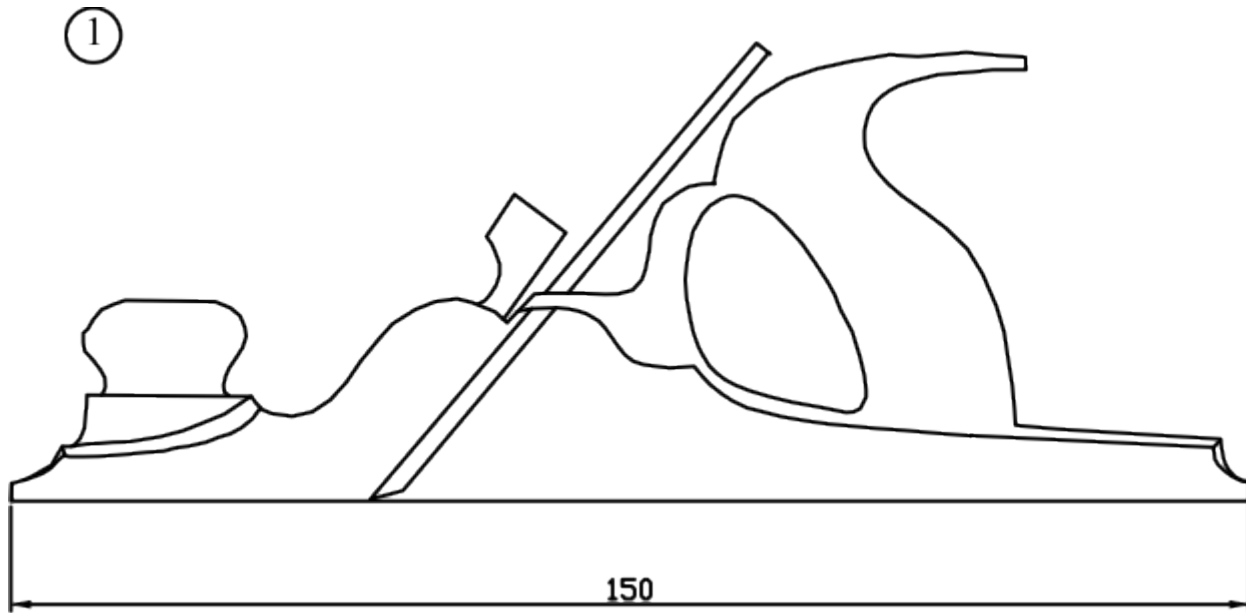
**NATIONAL CERTIFICATE  
APRIL EXAMINATION  
ENGINEERING DRAWING N1**

**22 MARCH 2016**

**This marking guideline consists of 7 pages.**

DIAGRAM SHEET 1

QUESTION 1



QUESTION 2

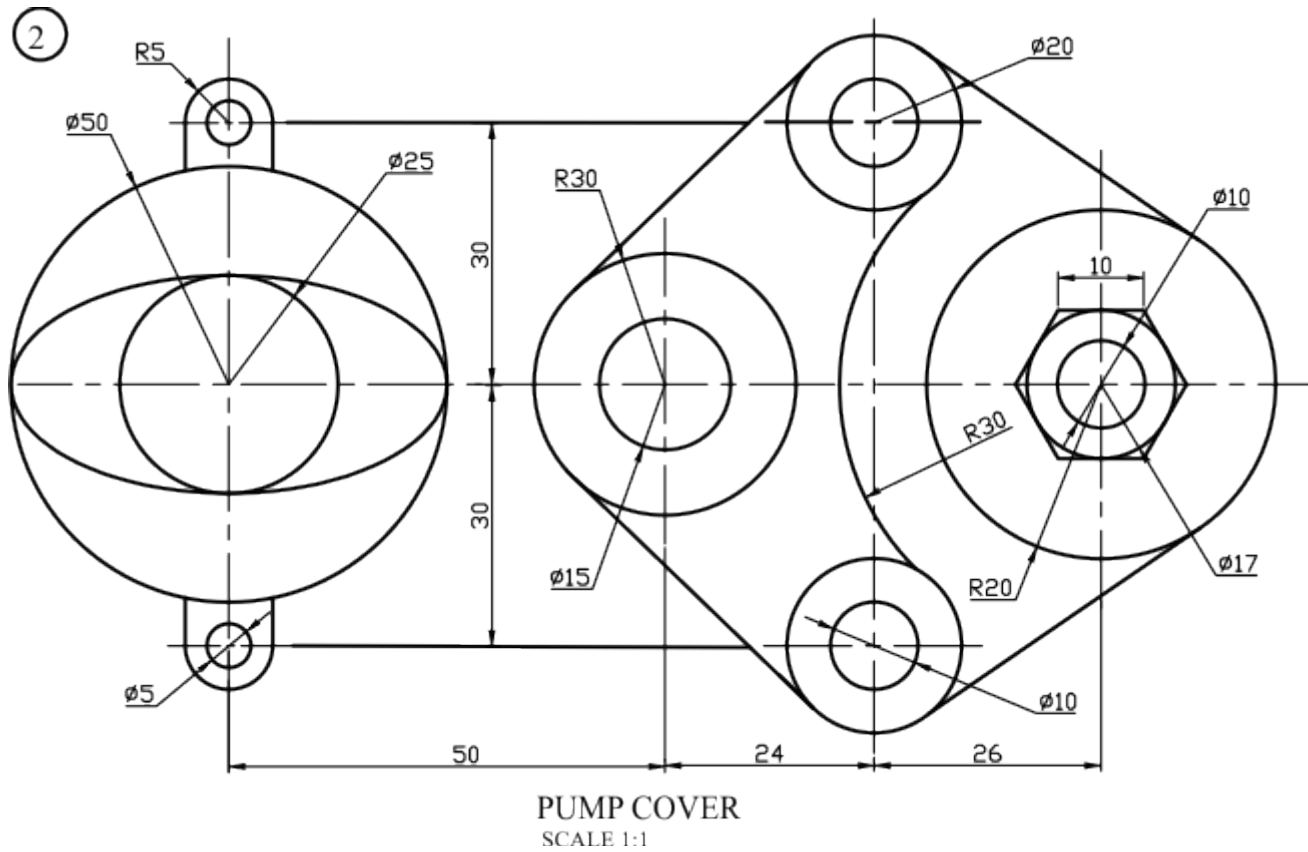
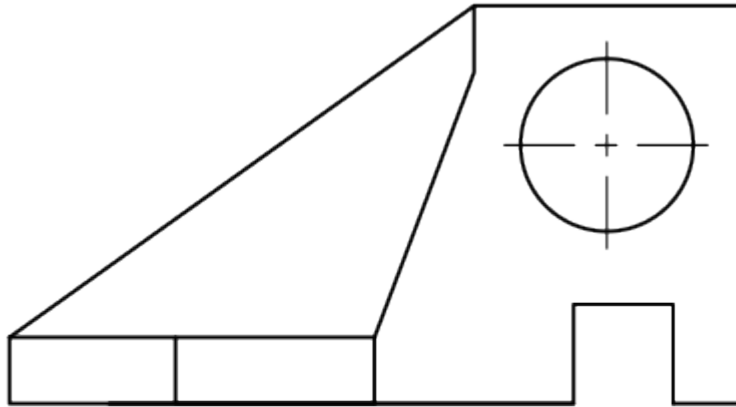


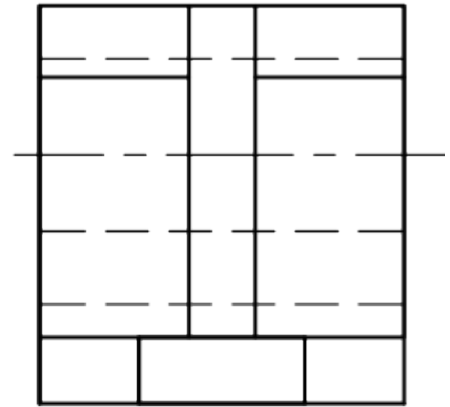
DIAGRAM SHEET 2

QUESTION 3

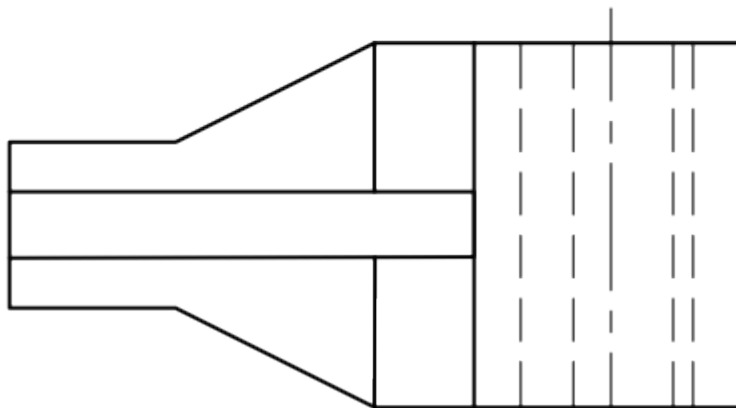
3



3.1

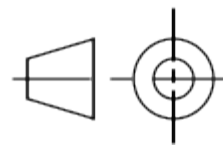


3.2



3.3

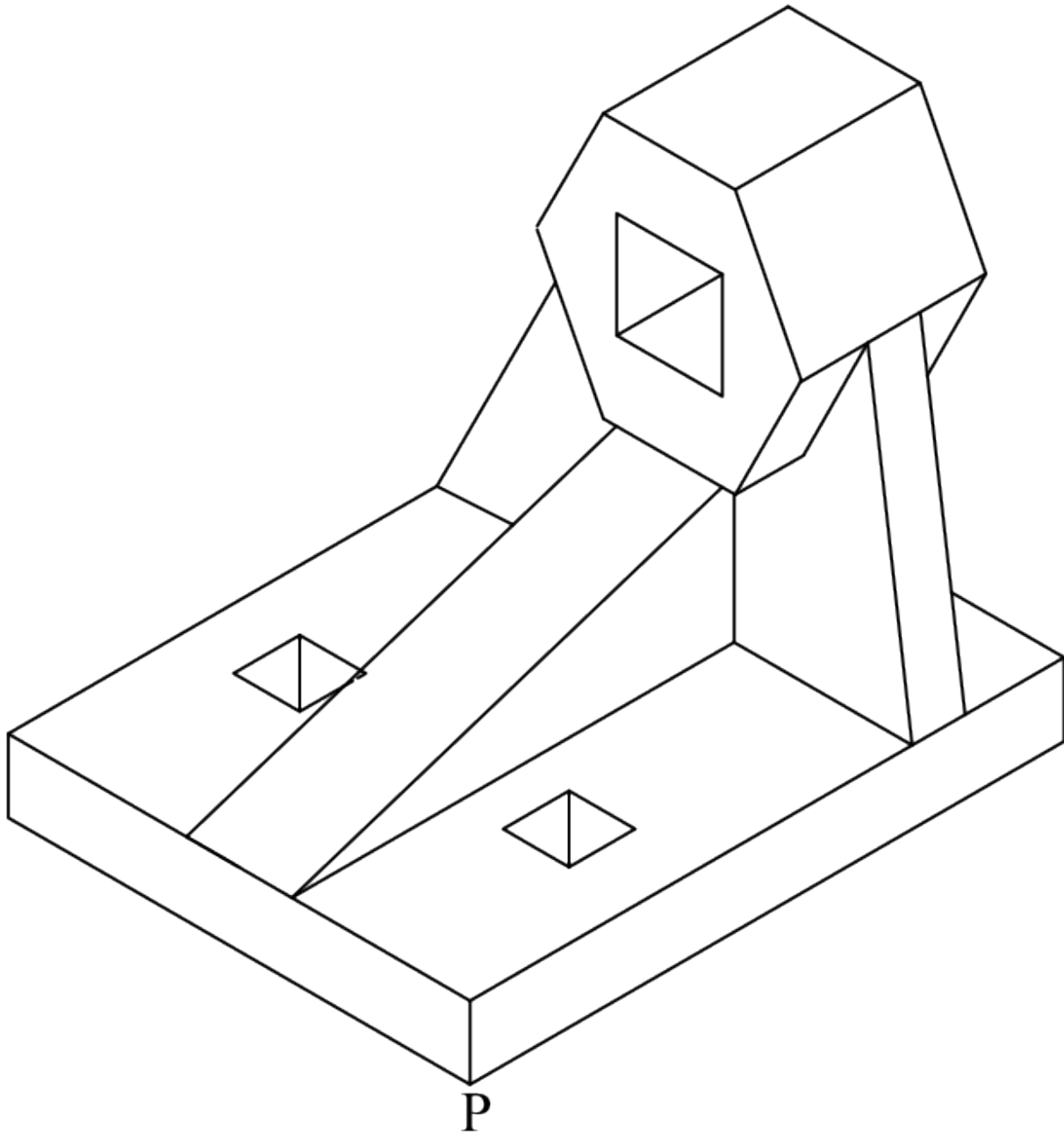
CASTING  
SCALE 1:1



DIAGRAMSHEET 3

QUESTION 4

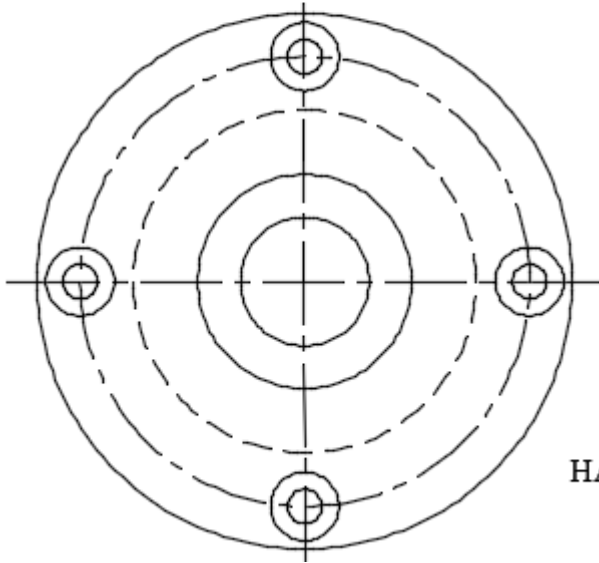
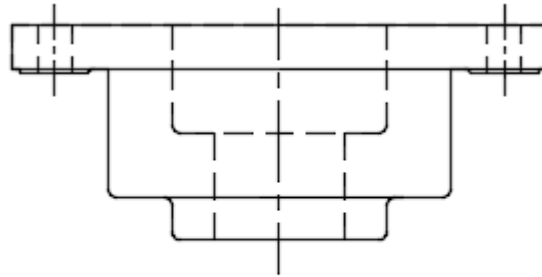
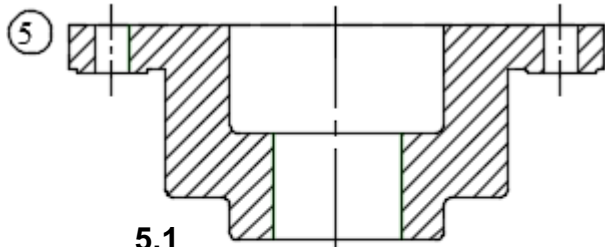
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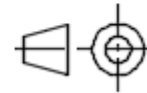
BRACKET  
SCALE 1:1

**DIAGRAMSHEET 4**

**QUESTION 5**



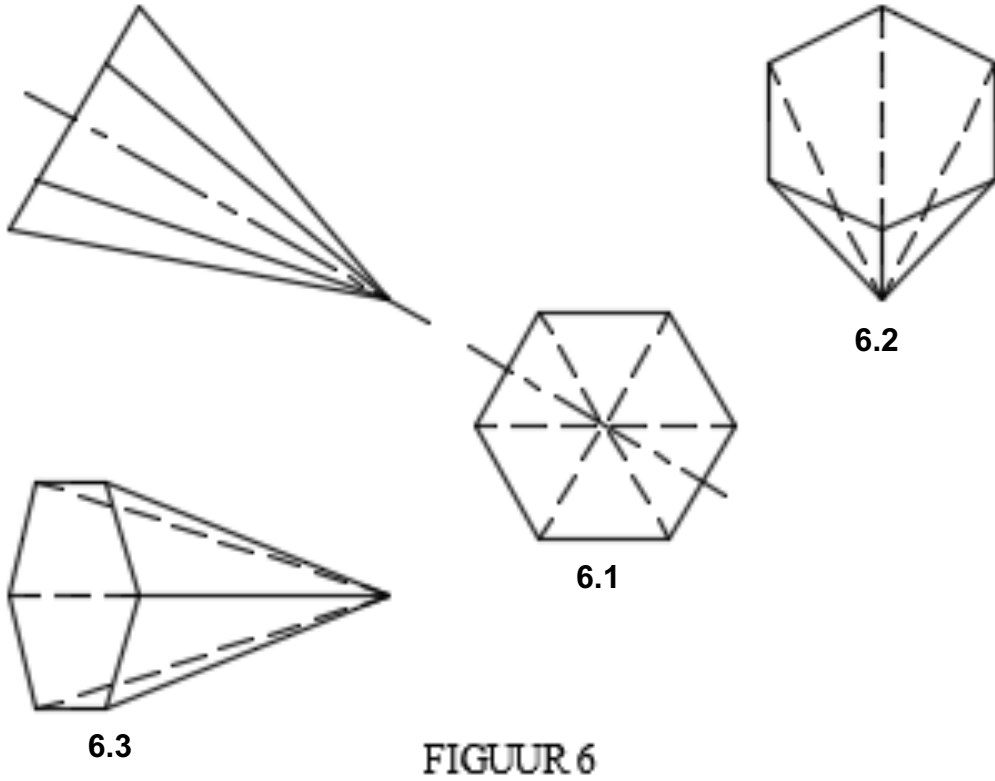
HANGER DRAER  
SKAAL 1:1



**DIAGRAMSHEET 5**

**QUESTION 6**

⑥



**QUESTION 7: COMPUTER TERMINOLOGY AND ABBREVIATIONS**

7.1	<ul style="list-style-type: none"> <li>• Keyboard</li> <li>• Computer mouse</li> <li>• Trackball</li> <li>• Scanner</li> <li>• Digital tablet</li> </ul>	(Any 1 × 1)
7.2	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Printer</li> <li>• Plotter</li> </ul>	(Any 1 × 1)
7.3	<ul style="list-style-type: none"> <li>• Screen</li> <li>• Compatible PC computer</li> <li>• Keyboard</li> <li>• Graphics tablet</li> <li>• Tracker ball</li> <li>• Mouse</li> </ul>	(Any 1 × 1)
7.4	Computer-aided draughting	
7.5	Pitch circle diameter	
7.6	Hexagon	

(6 × 1) (6)

NOTE: A Balanced layout and neatness of the completed ANSWER BOOK.

(10)

**[16]****TOTAL: 100**