higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE: MULTI-DISCIPLINARY DRAWING OFFICE PRACTICE

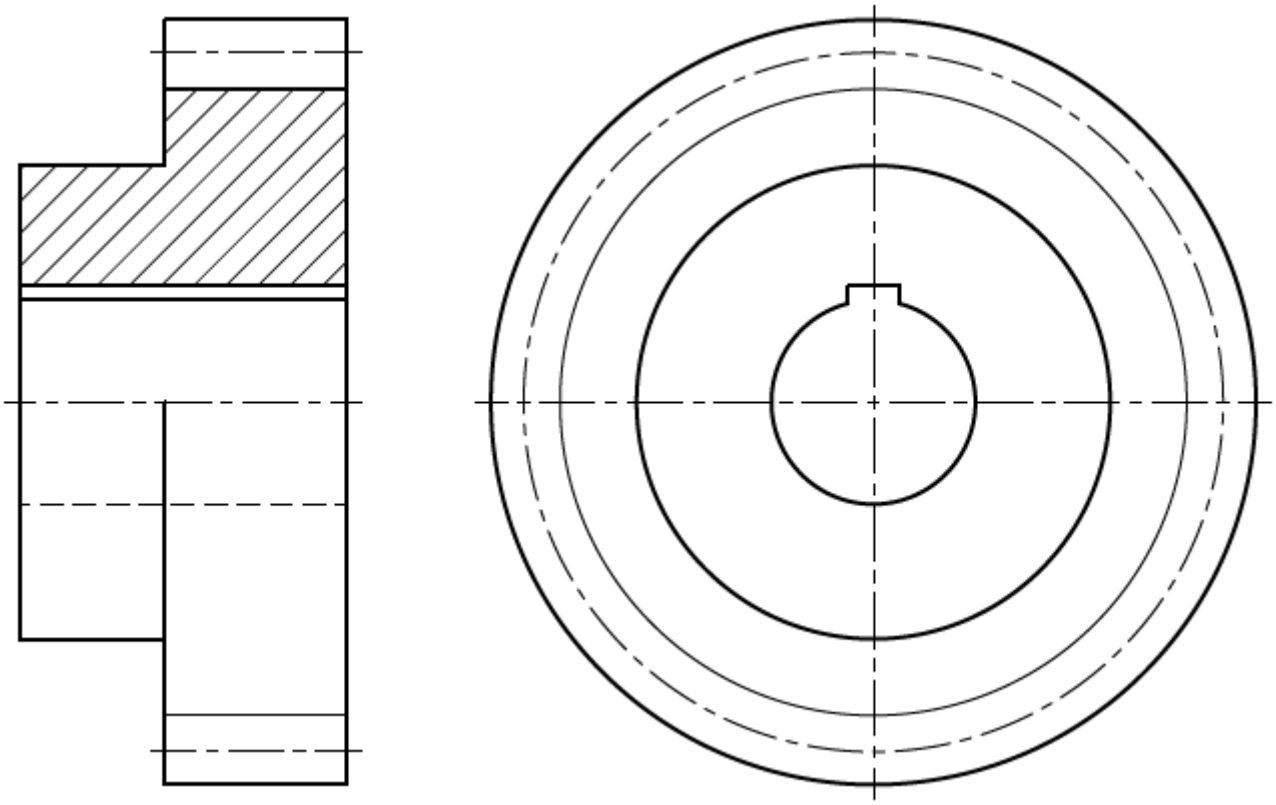
MECHANICAL DRAUGHTING

27 MARCH 2019

This marking guideline consists of 9 pages.

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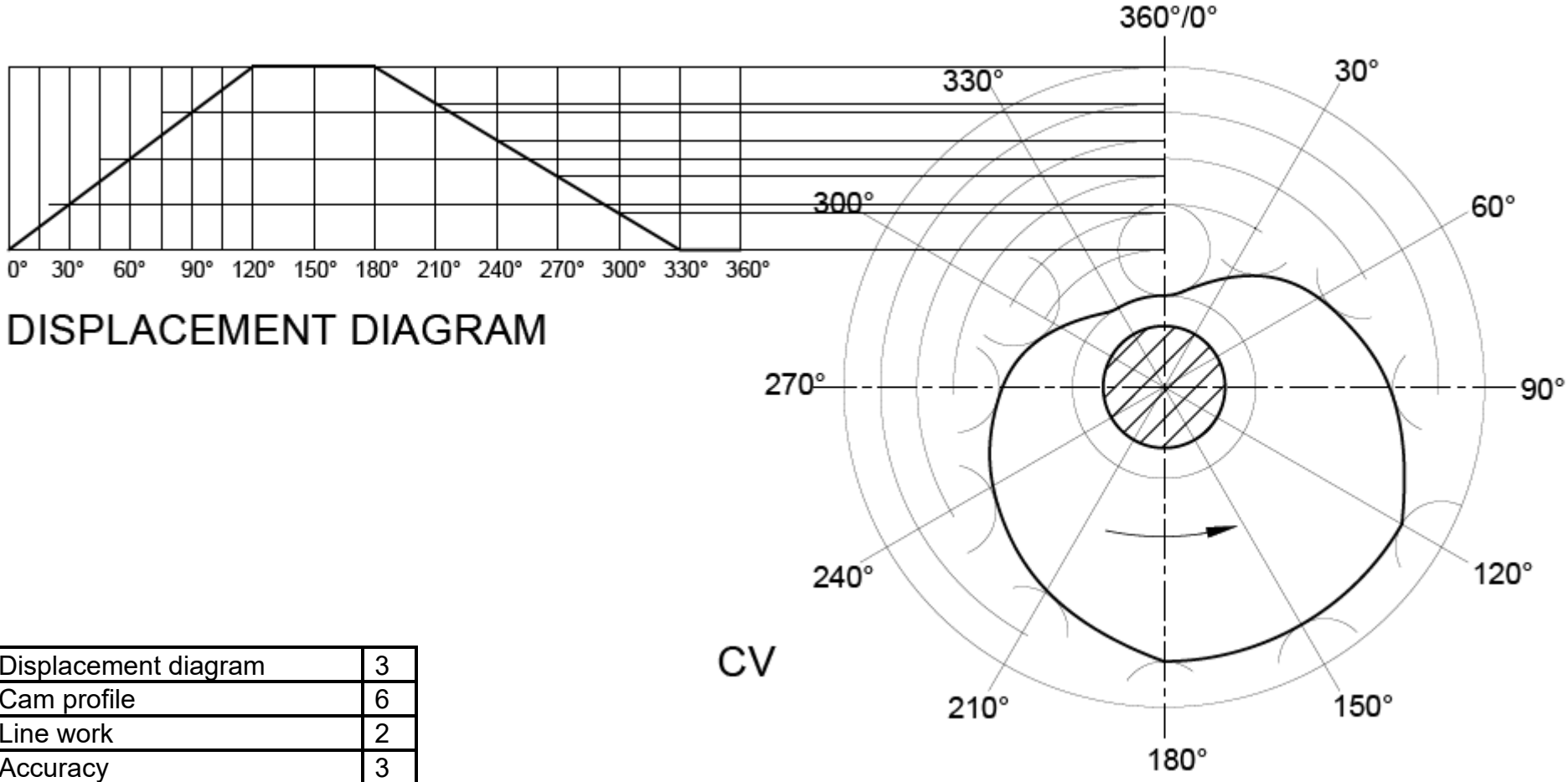
QUESTION 1: CONVENTIONAL REPRESENTATION



Correctness	4
Line work	3
Accuracy	2
Keyway detail	1

[10]

QUESTION 2: CAM PROFILES

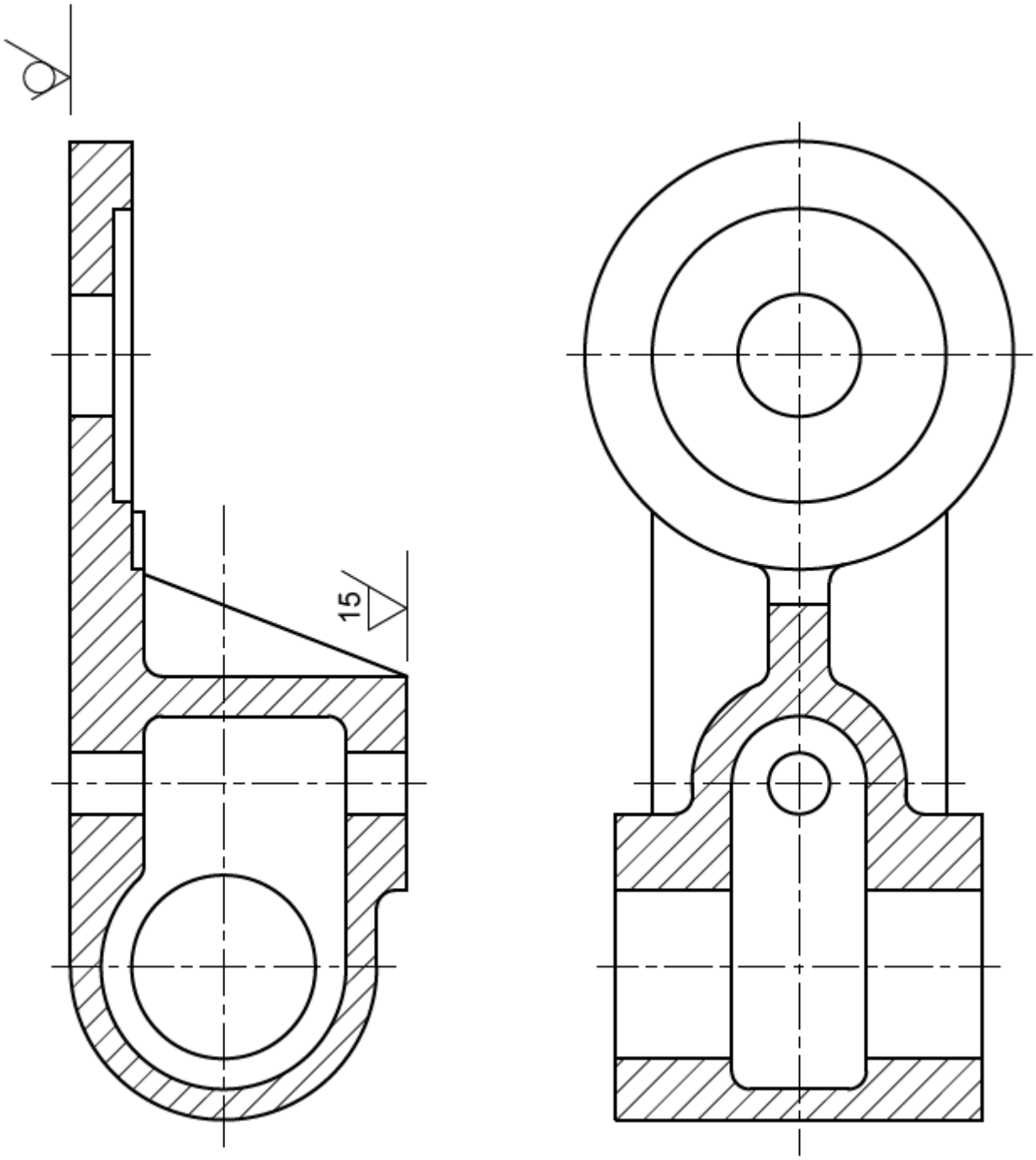


Displacement diagram	3
Cam profile	6
Line work	2
Accuracy	3
Keyway detail	1

[15]

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QUESTION 3: SECTIONAL DRAWING

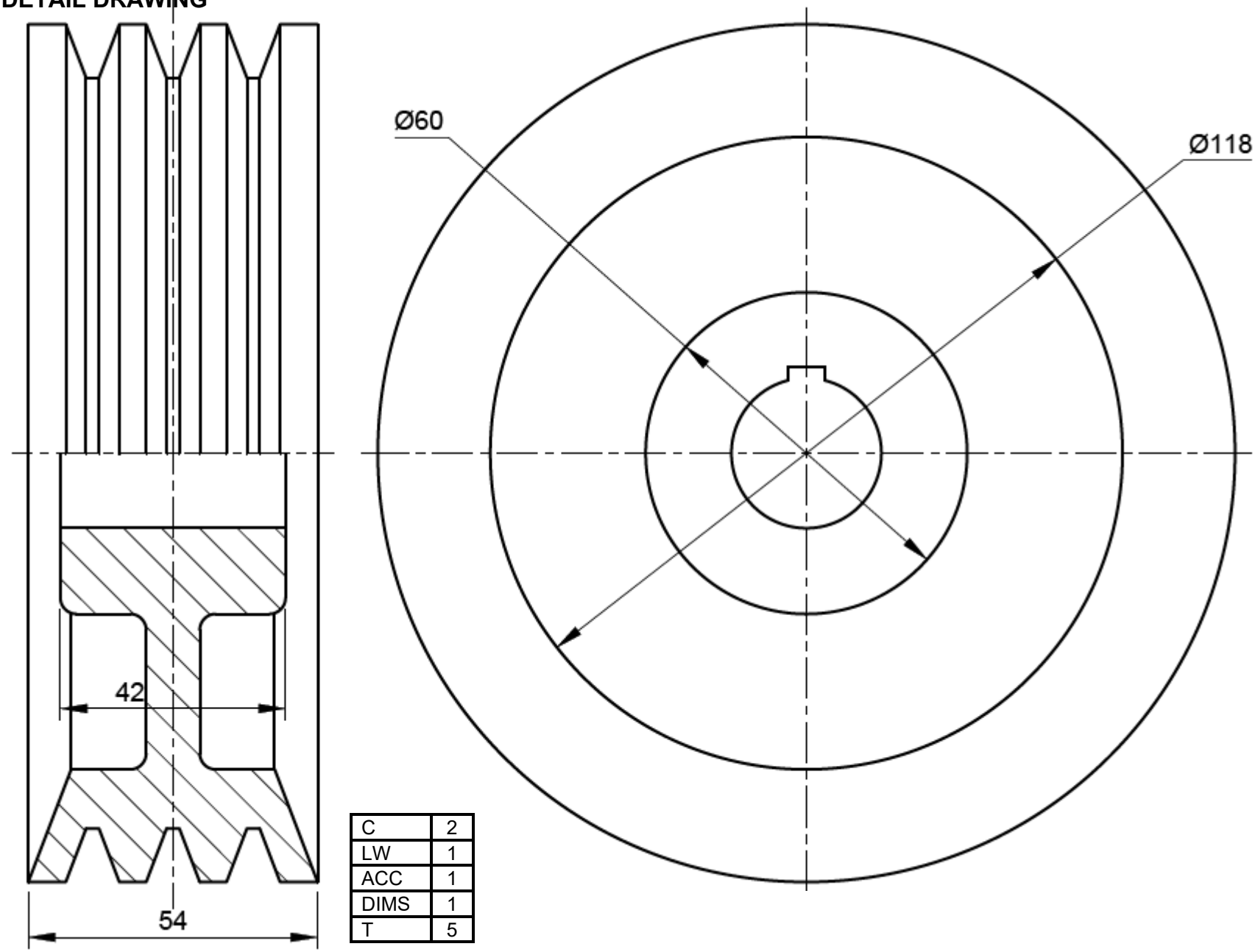


Correctness FV	7
Correctness RV	5
Line work	3
Accuracy	2
Symbols at A and B	3

[20]

QUESTION 4: DETAIL DRAWING

4.1

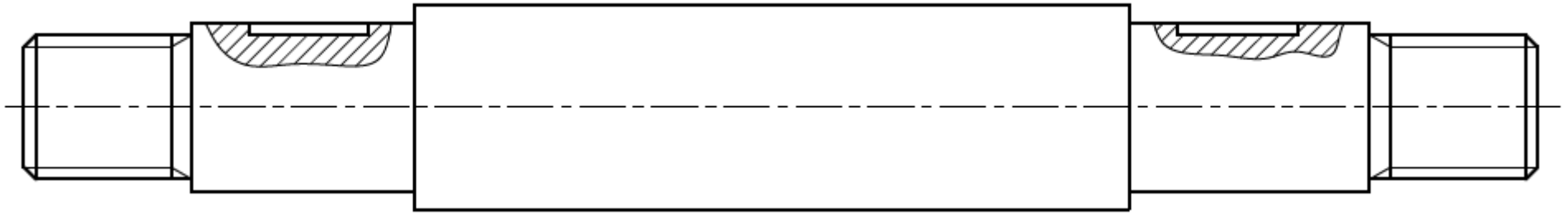


C	4
LW	2
ACC	1
DIMS	1
T	8

C	2
LW	1
ACC	1
DIMS	1
T	5

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4.2



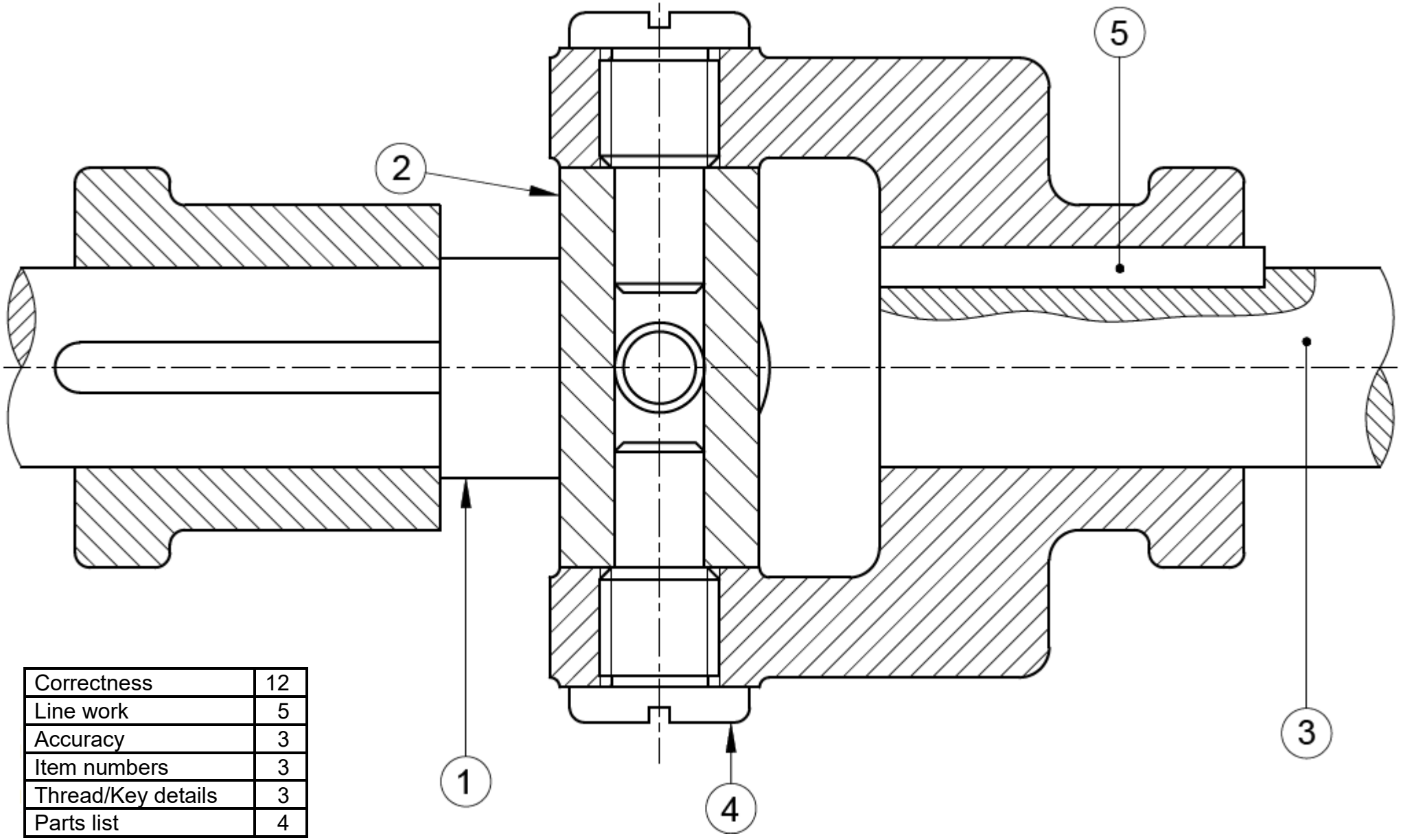
Correctness	3
Line work	1
Accuracy	1

(5)
[20]

QUESTION 5: ASSEMBLY DRAWING

PARTS LIST			
ITEM NUMBER	**PART NAME**	**QUANTITY**	**MATERIAL**
ITEM 1	Forked end	2 off	Cast steel
ITEM 2	Crosspiece	1 off	Mild steel
ITEM 3	Drive shaft	2 off	Mild steel
ITEM 4	Driving pin	4 off	Mild steel
ITEM 5	Key	2 off	Mild steel

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Correctness	12
Line work	5
Accuracy	3
Item numbers	3
Thread/Key details	3
Parts list	4

[30]

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QUESTION 6: BALANCED LAYOUT AND NEATNESS

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

TOTAL: 100

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