

Machine Shop

TEST PAPER

CANDIDATE NAME: _____ GROUP NO: _____

RESULT: of **50** PASS

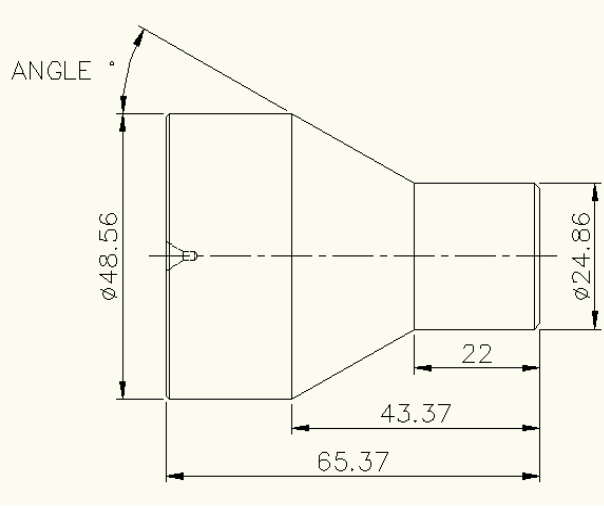
Needs more training:

DATE: _____

ASSESSOR: _____ *PRINT* _____ *SIGN*

1. At which end of the Headstock would you find a morse taper? 1 mark
2. How do you set the tool on centre height ? 1 mark
3. Why do you set the tool on centre height ? 1 marks
4. What are the effects of the tool not being on centre height ? 1 mark
5. What are the effects of too fast or too slow spindle speeds ? 1 mark

6. Name Eight main parts of a lathe?		8 marks
a)	e)	
b)	f)	
c)	g)	
d)	h)	
7 What direction should the chuck rotate for normal turning?		1 mark
8. Name the three types of work-holding devices you used on the lathe?		3 marks
a)		
b)		
c)		
9. What must be done and how? Before using any precision measuring tools. 2 marks		
a)		
b)		
10. What are the advantages in using a Three Jaw chuck over a Four Jaw chuck? Give two. 2 marks		
a)		
b)		
11. Sketch a 0-1" External micrometer reading 0.848"		1 mark

18. List 2 advantages of using a 4 jaw chuck over a 3 jaw.	2 marks
a) b)	
19. Name 3 different types of turning tools used to make your Test Shaft?	3 marks
a) b) c)	
20. Name the instrument used to set the vice true on the milling machine?	1 mark
21. Calculate the Angle required to set the compound slide for the component shown below “Calculators allowed” – Tables provided - Show working out.	
<div style="text-align: center;">  </div>	
23. Name three safety control measures in place on a centre lathe	3 marks
a) b) c)	