

Machinist Harmonized Level 2

STANDARDIZED LEVEL EXAM (SLE) BREAKDOWN

The following table shows the number of questions per General Area of Competency (GAC) and Competency on the *Machinist Harmonized Level 2 SLE*.

Number of questions on each exam: 100

Level 2 GAC/Competency	#
C. USE APPLIED MATHEMATICS	11
C1. Solve problems involving formulas	2
C3. Solve problems involving geometry	2
C5. Solve problems involving trigonometry	7
D. USE MEASURING TOOLS	5
D3. Use calipers and gauges	3
D4. Use dial indicators and digital readouts	1
D5. Use optical measuring equipment	1
E. INTERPRET DRAWINGS AND REFERENCE MATERIALS	2
E4. Use Machinery's Handbook and other reference materials	0
E5. Describe fits and tolerances	2
F. SELECT MATERIALS	8
F3. Describe characteristics of non-ferrous metals	4
F4. Describe characteristics of non-metals	1
F5. Perform heat treating	3
J. USE LATHES	13
J2. Describe cutting tools and holders	4

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Level 2 GAC/Competency	#
J5. Cut threads	9
K. USE MILLING MACHINES	20
K1. Describe milling machines	4
K2. Describe cutting tools and holders	4
K3. Use dividing heads and rotary tables	7
K4. Operate and maintain milling machines	5
L. USE SUPPORT MACHINES	2
L3. Operate and maintain hones and lapping machines	2
M. USE PRECISION GRINDERS	12
M1. Describe types of precision grinders	2
M2. Select abrasives	5
M3. Operate and maintain grinders	5
N. USE CNC MACHINES	27
N1. Describe CNC turning centres	6
N2. Establish co-ordinate systems and apply programming codes for turning centres	13
N3. Operate and maintain CNC turning centres	8
Total:	100