

















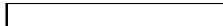









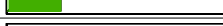






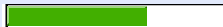


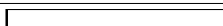



# 11111111: EXAMINEE

## Examination Analysis

Site Code: 3360, SME  
 Name: EXAMINEE NAME  
 ID: 11111111  
 Test Code: 8173, v1 - Certified Manufacturing Technologist(CMfgT)  
 Test Date: 01/01/2014  
 Pass Percent: 60.00 %  
 Score: 65.7%  
 Status: Pass

	Level/Title	# of Items in Section	# of Items Passed	Performance	Percent
1	1.1 Mathematics	4	4		100.0%
	1.1.1 Algebra	1	1		100.0%
	1.1.2 Trigonometry	2	2		100.0%
	1.1.3 Analytical Geometry	1	1		100.0%
2	1.2 Applied and Engineering Sciences	8	5		62.5%
	1.2.1 Metrication/SI System	1	0		0.0%
	1.2.2 Physics	2	2		100.0%
	1.2.5 Dynamics	2	2		100.0%
	1.2.6 Fluid Mechanics	1	0		0.0%
	1.2.7 Thermodynamics/Heat Transfer	1	1		100.0%
	1.2.8 Electrical Circuits/Electronics	1	0		0.0%
3	1.3 Materials Application	4	2		50.0%
	1.3.1 Metals (Properties and Applications)	2	2		100.0%
	1.3.2 Plastics/Polymers (Properties and Applications)	1	0		0.0%
	1.3.3 Composites (Properties and Applications)	1	0		0.0%
4	2.1 Product Design and Development	14	7		50.0%
	2.1.5 Simulation/Engineering Design Analysis	1	1		100.0%
	2.1.6 Concurrent Engineering	1	0		0.0%
	2.1.7 Design for X (Mfg/Assy/Maint/etc.)	2	2		100.0%
	2.1.8 Drafting/Drawing/Engineering Graphics/Modeling	5	2		40.0%
	2.1.9 CAD/CAM/CAE Applications	3	2		66.7%
	2.1.10 Tolerance Analysis/GD & T	2	0		0.0%
5	2.2 Process Design and Development	2	2		100.0%
	2.2.6 Rapid Prototyping	2	2		100.0%
6	3.1 Manufacturing Process Applications and Operation	19	16		84.2%
	3.1.1 Material Removal Processes	3	3		100.0%
	3.1.2 Fabrication Processes	2	2		100.0%
	3.1.3 Hot and Cold Forming Processes	4	1		25.0%
	3.1.4 Casting and Molding Processes	1	1		100.0%
	3.1.6 Heat Treatment Processes	3	3		100.0%
	3.1.7 Joining, Welding, and Assembly Processes	3	3		100.0%
	3.1.8 Finishing Processes	1	1		100.0%
	3.1.10 Material Handling/Packaging	1	1		100.0%
	3.1.11 Hand Tool Use/Machine Operating	1	1		100.0%
7	4.1 Production System Design and Development	14	9		64.3%
	4.1.3 Process Planning and Development	3	3		100.0%
	4.1.5 Production/Manufacturing System Design and Organization	1	1		100.0%
	4.1.7 Tool and Equipment Selection	1	0		0.0%
	4.1.9 Human Factors, Ergonomics, and Safety	8	5		62.5%
	4.1.10 Maintenance Systems	1	0		0.0%
8	4.2 Equipment/Tool Design and Development	9	5		55.6%

	<b>Level/Title</b>	<b># of Items in Section</b>	<b># of Items Passed</b>	<b>Performance</b>	<b>Percent</b>
8	4.2 Equipment/Tool Design and Development	9	5		55.6%
	4.2.1 Cutting Tool Design	1	0		0.0%
	4.2.2 Work Holding Tool Design	2	1		50.0%
	4.2.5 Machine Design	5	3		60.0%
	4.2.6 Power Systems (Mech/Elec/Fluid)	1	1		100.0%
9	5.1 Automated Systems and Control	11	10		90.9%
	5.1.2 CNC/PLC/Computer Control	8	7		87.5%
	5.1.4 Information Technology/Database Systems (MIS, etc.)	2	2		100.0%
	5.1.5 Enterprise-wide Systems Integration (MES, ERP, etc.)	1	1		100.0%
10	6.1 Quality and Customer Service	17	10		58.8%
	6.1.1 Customer Focus (Research/Test/Satisfaction)	1	0		0.0%
	6.1.3 Probability and Statistics	2	1		50.0%
	6.1.4 Statistical Control Methods (Sampling/Charting/etc.)	3	3		100.0%
	6.1.5 Problem Analysis and Solving (Fishbone/Pareto/FMEA/etc.)	2	2		100.0%
	6.1.7 Capability Analysis (Process/Equipment/etc.)	1	0		0.0%
	6.1.8 Inspection/Test/Validation	3	1		33.3%
	6.1.9 Metrology	3	2		66.7%
	6.1.11 Continuous Improvement/Lean	2	1		50.0%
11	7.1 Manufacturing Management	22	16		72.7%
	7.1.1 Strategic Planning/Global Competitiveness	1	1		100.0%
	7.1.2 Organizational Design and Management	4	4		100.0%
	7.1.3 Project Management	2	1		50.0%
	7.1.4 Personnel Management Methods	1	0		0.0%
	7.1.5 Human Behavior/Motivation/Leadership	1	1		100.0%
	7.1.6 Labor Relations	1	1		100.0%
	7.1.8 Operations Research, Analysis, and Forecasting	1	0		0.0%
	7.1.10 Accounting/Finance/Economics	5	3		60.0%
	7.1.11 Business/Engineering Ethics and Social Responsibility	3	3		100.0%
	7.1.12 Standards, Laws, and Regulations	3	2		66.7%
12	8.1 Personal Effectiveness	13	4		30.8%
	8.1.2 Negotiating and Conflict Management	3	2		66.7%
	8.1.3 Presentation Skills and Oral Communication	6	2		33.3%
	8.1.4 Written Communication Skills	3	0		0.0%
	8.1.5 Innovation and Creativity	1	0		0.0%