

1111111: EXAMINEE NAME

Examination Analysis

Site Code: 3360, SME
 Name: Examinee Name
 ID: 11111111
 Test Code: 8171, v1 - Certified Manufacturing Engineer (CMfgE)
 Test Date: 01/01/2014
 Pass Percent: 60.00%
 Score: 61.5%
 Status: Pass

	Level/Title	# of Items in Section	# of Items Passed	Performance	Percent
1	1.1 Mathematics	14	9		64.3%
	1.1.3 Analytical Geometry	2	1		50.0%
	1.1.4 Calculus	2	0		0.0%
	1.2.1 Metrication/SI System	1	1		100.0%
	1.2.2 Physics	1	1		100.0%
	1.2.8 Electrical Circuits/Electronics	1	0		0.0%
	1.3.1 Metals (Properties and Applications)	4	3		75.0%
	1.3.2 Plastics/Polymers (Properties and Applications)	2	2		100.0%
	1.3.3 Composites (Properties and Applications)	1	1		100.0%
2	2.1 Product Design and Development	13	9		69.2%
	2.1.2 Market/Sales/Life Cycle Analysis	3	2		66.7%
	2.1.4 Design Management	1	1		100.0%
	2.1.5 Simulation/Engineering Design Analysis	2	2		100.0%
	2.1.6 Concurrent Engineering	1	0		0.0%
	2.1.7 Design for X (Mfg/Assy/Maint/etc.)	1	0		0.0%
	2.1.8 Drafting/Drawing/Engineering Graphics/Modeling	2	1		50.0%
	2.1.10 Tolerance Analysis/GD & T	2	2		100.0%
	2.1.11 Product Liability	1	1		100.0%
3	2.2 Process Design and Development	6	1		16.7%
	2.2.2 Simulation/Process Analysis	3	0		0.0%
	2.2.6 Rapid Prototyping	3	1		33.3%
4	3.1 Manufacturing Process Applications and Operation	26	18		69.2%
	3.1.1 Material Removal Processes	3	3		100.0%
	3.1.2 Manufacturing Process Applications & Operation	1	1		100.0%
	3.1.3 Hot and Cold Forming Processes	4	3		75.0%
	3.1.4 Casting and Molding Processes	3	3		100.0%
	3.1.5 Electrical/Electronics Mfg. Processes	3	2		66.7%
	3.1.6 Heat Treatment Processes	2	1		50.0%
	3.1.7 Joining, Welding, and Assembly Processes	5	4		80.0%
	3.1.8 Finishing Processes	3	0		0.0%
	3.1.10 Material Handling/Packaging	2	1		50.0%
5	4.1 Production System Design and Development	23	15		65.2%
	4.1.2 Facility Planning/Plant Layout	1	1		100.0%
	4.1.3 Process Planning and Development	3	2		66.7%
	4.1.4 Capacity Planning	3	1		33.3%
	4.1.5 Production/Manufacturing System Design and Organization	4	2		50.0%
	4.1.6 Process Documentation/Work Instructions	1	1		100.0%
	4.1.7 Tool and Equipment Selection	4	3		75.0%
	4.1.9 Human Factors, Ergonomics, and Safety	2	1		50.0%
	4.1.10 Maintenance Systems	3	2		66.7%
	4.1.11 Environmental Protection/Waste Management	2	2		100.0%

	Level/Title	# of Items in Section	# of Items Passed	Performance	Percent
6	4.2 Equipment/Tool Design and Development	13	10		76.9%
	4.2.1 Cutting Tool Design	3	3		100.0%
	4.2.2 Work Holding Tool Design	5	4		80.0%
	4.2.3 Die/Mold Design	3	2		66.7%
	4.2.6 Power Systems (Mech/Elec/Fluid)	2	1		50.0%
7	5.1 Automated Systems and Control	14	7		50.0%
	5.1.1 Automated Systems (Hard/Flexible)	4	1		25.0%
	5.1.2 CNC/PLC/Computer Control	8	4		50.0%
	5.1.3 Computer Systems and Networks	1	1		100.0%
	5.1.4 Information Technology/Database Systems (MIS, etc.)	1	1		100.0%
8	6.1 Quality and Customer Service	24	15		62.5%
	6.1.2 Quality System and Standards (e.g. QS/ISO/CE/Mark/etc.)	2	0		0.0%
	6.1.3 Probability and Statistics	2	2		100.0%
	6.1.4 Statistical Control Methods (Sampling/Charting/etc.)	4	2		50.0%
	6.1.5 Problem Analysis and Solving (Fishbone/Pareto/FMEA/etc.)	1	1		100.0%
	6.1.6 Factor Analysis (DOE/Correlation/etc.)	1	1		100.0%
	6.1.7 Capability Analysis (Process/Equipment/etc.)	3	1		33.3%
	6.1.8 Inspection/Test/Validation	3	3		100.0%
	6.1.9 Metrology	3	2		66.7%
	6.1.11 Continuous Improvement/Lean	5	3		60.0%
9	7.1 Manufacturing Management	27	15		55.6%
	7.1.2 Organizational Design and Management	3	1		33.3%
	7.1.3 Project Management	1	0		0.0%
	7.1.4 Personnel Management Methods	4	3		75.0%
	7.1.8 Operations Research, Analysis, and Forecasting	2	2		100.0%
	7.1.9 Supply Chain & Logistics	5	4		80.0%
	7.1.10 Accounting/Finance/Economics	7	2		28.6%
	7.1.11 Business/Engineering Ethics and Social Responsibility	2	0		0.0%
	7.1.12 Standards, Laws, and Regulations	3	3		100.0%
10	8.1 Personal Effectiveness	19	11		57.9%
	8.1.1 Interpersonal Skills	2	2		100.0%
	8.1.2 Negotiating and Conflict Management	5	4		80.0%
	8.1.3 Presentation Skills and Oral Communication	5	2		40.0%
	8.1.4 Written Communication Skills	4	1		25.0%
	8.1.5 Innovation and Creativity	1	0		0.0%
	8.1.6 Learning and Knowledge	2	2		100.0%