



CMQ/OE

ASQ Manager of Quality/Organizational
Excellence

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Exam Summary
Syllabus
Questions

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Key to success in CMQ/OE Exam on ASQ Manager of Quality/Organizational Excellence

To achieve the professional designation of Manager of Quality/Organizational Excellence from the ASQ, candidates must clear the CMQ/OE Exam with the minimum cut-off score. For those who wish to pass the ASQ CMQ/OE certification exam with good percentage, please take a look at the following reference document detailing what should be included in ASQ Manager of Quality/Organizational Excellence Exam preparation.

The ASQ CMQ/OE Exam Summary, Body of Knowledge (BOK), Sample Question Bank and Practice Exam provide the basis for the real ASQ Manager of Quality/Organizational Excellence exam. We have designed these resources to help you get ready to take Manager of Quality/Organizational Excellence (CMQ/OE) exam. If you have made the decision to become a certified professional, we suggest you take authorized training and prepare with our online premium [ASQ Manager of Quality/Organizational Excellence Practice Exam](#) to achieve the best result.

ASQ CMQ/OE Certification Details:

Exam Name	Manager of Quality/Organizational Excellence
Exam Code	CMQ/OE
Exam Fee	USD \$568
Retakes	USD \$368
ASQ Member	USD \$418
Application Fee	USD \$70
Exam Duration	270 Minutes
Number of Questions	165
Passing Score	550/750
Format	Multiple Choice
Books	Certified Manager Of Quality/Organizational Excellence Certification Preparation The Certified Manager Of Quality/Organizational Excellence Handbook, Fourth Edition
Schedule Exam	Book Your Exam
Sample Questions	ASQ CMQ/OE Exam Sample Questions and Answers

Practice Exam	ASQ Manager of Quality/Organizational Excellence Practice Test
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ASQ CMQ/OE Exam Syllabus:

I. Leadership (25 Questions)	
A. Organizational Structures	<ul style="list-style-type: none"> - Define and describe organizational designs (i.e., matrix, flat, and parallel) and the effect that a hierarchical management structure can have on an organization. (Apply)
B. Leadership Challenges	<ol style="list-style-type: none"> 1. Roles and responsibilities of leaders <ul style="list-style-type: none"> - Describe typical roles, responsibilities, and competencies of people in leadership positions and how those attributes influence an organization's direction and purpose. (Analyze) 2. Roles and responsibilities of managers <ul style="list-style-type: none"> - Describe typical roles, responsibilities, and competencies of people in management positions and how those attributes contribute to an organization's success. (Analyze) 3. Change management <ul style="list-style-type: none"> - Use various change management strategies to overcome organizational roadblocks and achieve desired change levels, and review outcomes for effectiveness. Define and describe factors that contribute to an organization's culture. (Evaluate) 4. Leadership techniques <ul style="list-style-type: none"> - Develop and implement techniques that motivate employees and sustain their enthusiasm. Use negotiation techniques to enable parties with different or opposing outlooks to recognize common goals and work together to achieve them. Determine when and how to use influence to resolve a problem or move a project forward. (Create) 5. Empowerment <ul style="list-style-type: none"> - Apply various techniques to empower individuals and teams. Identify typical obstacles to empowerment and appropriate strategies for overcoming them. Describe and distinguish between job enrichment and job enlargement, job design and job tasks. (Apply)
C. Teams and Team Processes	<ol style="list-style-type: none"> 1. Types of teams <ul style="list-style-type: none"> - Identify different types of teams and their purpose, including process improvement, self-managed, temporary or ad hoc (special project), and work groups or workcells. (Understand) 2. Stages of team development <ul style="list-style-type: none"> - Define and describe the classic stages of team development:

	<p>forming, storming, norming, performing. (Apply)</p> <p>3. Team-building techniques</p> <ul style="list-style-type: none"> - Apply basic team-building steps such as using ice-breaker activities to enhance team introductions and membership, developing a common vision and agreement on team objectives, identifying and assigning specific roles on the team. (Apply) <p>4. Team roles and responsibilities</p> <ul style="list-style-type: none"> - Define and describe typical roles related to team support and effectiveness such as facilitator, leader, process owner, champion, project manager, and contributor. Describe member and leader responsibilities with regard to group dynamics, including keeping the team on task, recognizing hidden agendas, handling disruptive behavior, and resolving conflict. (Analyze) <p>5. Team performance and evaluation</p> <ul style="list-style-type: none"> - Evaluate team performance in relation to established metrics to meet goals and objectives. Determine when and how to reward teams and celebrate their success. (Evaluate)
D. ASQ Code of Ethics	<ul style="list-style-type: none"> - Identify and apply behaviors and actions that comply with this code. (Apply)
II. Strategic Plan Development and Deployment (18 Questions)	
A. Strategic Planning Models	<ul style="list-style-type: none"> - Define, describe, and use basic elements of strategic planning models, including how mission, vision, and values as guiding principles relate to the plan. (Apply)
B. Business Environment Analysis	<p>1. SWOT analysis</p> <ul style="list-style-type: none"> - Analyze an organization's strengths, weaknesses, opportunities, and threats, and develop and prioritize actions to take in response to that analysis. Identify and analyze risk factors that can influence strategic plans. (Analyze) <p>2. Market forces</p> <ul style="list-style-type: none"> - Define and describe various forces that drive strategic plans, including existing competition, the entry of new competitors, rivalry among competitors, the threat of substitutes, bargaining power of buyers and suppliers, current economic conditions, and how well the organization is positioned for growth and changing customer expectations. (Apply) <p>3. Stakeholder analysis</p> <ul style="list-style-type: none"> - Identify and differentiate various internal and external

	<p>stakeholders, as well as their perspectives, needs, and objectives to ensure that the organization’s strategic objectives are aligned with those of the stakeholders. (Analyze)</p> <p>4. Technology - Describe how changes in technology can have long- and short-term influences on strategic planning. (Understand)</p> <p>5. Internal capability analysis - Identify and describe the effects that influence an organization’s internal capabilities: human resources, facilities capacity, and operational capabilities. Analyze these factors in relation to strategy formation. (Analyze)</p> <p>6. Legal and regulatory factors - Define and describe how these factors can influence strategic plans. (Understand)</p>
<p>C. Strategic Plan Deployment</p>	<p>1. Tactical plans - Identify basic characteristics of tactics: specific, measurable, attainable, relevant, time-specific, and linked to strategic objectives. Evaluate proposed plans to determine whether they meet these criteria. (Evaluate)</p> <p>2. Resource allocation and deployment - Evaluate current resources to ensure they are available and deployed in support of strategic initiatives. Identify and eliminate administrative barriers to new initiatives. Ensure that all internal stakeholders understand the strategic plan and have the competencies and resources to carry out their responsibilities. (Evaluate)</p> <p>3. Organizational performance measurement - Develop these measures and ensure that they are aligned with strategic goals and use the measures to evaluate the organization against the strategic plan. (Evaluate)</p> <p>4. Quality in strategic deployment - Support strategic plan deployment by applying continuous improvement and other quality initiatives to drive performance outcomes throughout the organization. (Create)</p>
<p>III. Management Elements and Methods (30 Questions)</p>	
<p>A. Management Skills and Abilities</p>	<p>1. Principles of management - Define and apply basic management principles such as planning, leading, delegating, controlling, organizing, and allocating resources. (Apply)</p> <p>2. Management theories and styles - Define and describe management theories such as scientific,</p>

	<p>organizational, behavioral, learning, systems thinking, and situational complexity. Define and describe management styles such as autocratic, participative, transactional, transformational, management by fact, coaching, and contingency approach. Describe how management styles are influenced by an organization's size, industry sector, culture, and competitors. (Apply)</p> <p>3. Interdependence of functional areas</p> <ul style="list-style-type: none"> - Describe the interdependence of an organization's areas (human resources, engineering, sales, marketing, finance, research and development, purchasing, information technology, logistics, production, and service) and how those dependencies and relationships influence processes and outputs. (Understand) <p>4. Human resources (HR) management</p> <ul style="list-style-type: none"> - Apply HR elements in support of ongoing professional development: setting goals and objectives, conducting performance evaluations, developing recognition programs, ensuring that succession plans are in place where appropriate. Develop quality-supportive responsibilities to include in job descriptions for positions throughout the organization. (Apply) <p>5. Financial management</p> <ul style="list-style-type: none"> - Read, interpret, and use various finance tools including income statements, balance sheets, and product/service cost structures. Manage budgets and use the language of cost and profitability to communicate with senior management. Use potential return on investment (ROI), estimated return on assets (ROA), net present value (NPV), internal rate of return (IRR), and portfolio analysis to analyze project risk, feasibility, and priority. (Analyze) <p>6. Risk management</p> <ul style="list-style-type: none"> - Identify the kinds of risk that can occur throughout the organization, from such diverse processes as scheduling, shipping/receiving, financials, production and operations, employee and user safety, regulatory compliance and changes. Describe and use risk control and mitigation methods: avoidance, reduction, prevention, segregation, and transfer. (Apply) <p>7. Knowledge management (KM)</p> <ul style="list-style-type: none"> - Use KM techniques in identifying core competencies that create a culture and system for collecting and sharing implicit and explicit knowledge among workers, customers, competitors, and suppliers. Capture lessons learned and apply
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	<p>them across the organization to promote best practices. Identify typical knowledge-sharing barriers and how to overcome them. (Apply)</p>
<p>B. Communication Skills and Abilities</p>	<p>1. Communication techniques - Define and apply various modes of communication used within organizations, such as, verbal, nonverbal, written, and visual. Identify factors that can inhibit clear communication and describe ways of overcoming them. (Apply)</p> <p>2. Interpersonal skills - Develop skills in empathy, tact, friendliness, and objectivity. Use open-minded and nonjudgmental communication methods. Develop and use a clear writing style, active listening, and questioning and dialog techniques that support effective communication. (Apply)</p> <p>3. Communications in a global economy - Identify key challenges of communicating across different time zones, cultures, languages, terminology, and business practices, and identify ways of overcoming them. (Understand)</p> <p>4. Communications and technology - Identify how technology has affected communications, including improved information availability, its negative influence on interpersonal communications, and the new etiquette for e-communications. Use appropriate communication methods to deliver different kinds of messages in a variety of situations. (Apply)</p>
<p>C. Project Management</p>	<p>1. Project management basics - Use project management methodology and ensure that each project is aligned with strategic objectives. Define the different phases of a project: initiation, planning, execution, monitoring and controlling, and closure. Recognize the importance of keeping the project on time, and within budget. (Apply)</p> <p>2. Project planning and estimation tools - Use tools such as risk assessment, benefit-cost analysis, critical path method (CPM), Gantt chart, PERT, and work breakdown structure (WBS) to plan projects and estimate related costs. (Apply)</p> <p>3. Measure and monitor project activity - Use tools such as cost variance analysis, milestones, and actual vs. planned budgets to monitor project activity against project plan. (Evaluate)</p> <p>4. Project documentation</p>

	- Use written procedures and project summaries to document projects. (Apply)
D. Quality System	<ol style="list-style-type: none"> 1. Quality mission and policy <ul style="list-style-type: none"> - Develop and monitor the quality mission and policy and ensure that it is aligned with the organization's broader mission. (Create) 2. Quality planning, deployment, and documentation <ul style="list-style-type: none"> - Develop and deploy the quality plan and ensure that it is documented and accessible throughout the organization. (Create) 3. Quality system effectiveness <ul style="list-style-type: none"> - Evaluate the effectiveness of the quality system using various tools: balanced scorecard, internal audits, feedback from internal and external stakeholders, skip-level meetings, warranty data analytics, product traceability and recall reports, and management reviews. (Evaluate)
E. Quality Models and Theories	<ol style="list-style-type: none"> 1. Performance excellence models <ul style="list-style-type: none"> - Define and describe common elements and criteria of performance excellence models such as the Malcolm Baldrige National Quality Award (MBNQA), Excellence Canada, and the European Excellence Award (EFQM). Describe how their criteria are used as management models to improve processes at an organization level. (Understand) 2. ISO quality management standards <ul style="list-style-type: none"> - Define and describe how the ISO 9001 standards can be used to support quality management systems. (Understand) 3. Other quality methodologies <ul style="list-style-type: none"> - Describe and differentiate methods such as total quality management (TQM), continuous improvement, and benchmarking. (Apply) 4. Quality philosophies <ul style="list-style-type: none"> - Describe and apply basic methodologies and theories proposed by quality leaders such as Shewhart, Deming, Juran, Crosby, Feigenbaum, and Ishikawa. (Apply)
IV. Quality Management Tools (30 Questions)	
A. Problem-Solving Tools	<ol style="list-style-type: none"> 1. The seven classic quality tools <ul style="list-style-type: none"> - Select, interpret, and evaluate output from these tools: Pareto charts, cause and effect diagrams, flowcharts, control charts, check sheets, scatter diagrams, and histograms. (Evaluate)

	<p>2. Basic management and planning tools - Select, interpret, and evaluate output from these tools: affinity diagrams, tree diagrams, process decision program charts (PDPCs), matrix diagrams, prioritization matrices, interrelationship digraphs, and activity network diagrams. (Evaluate)</p> <p>3. Process improvement tools - Select, interpret, and apply tools such as root cause analysis, PDCA, Six Sigma DMAIC (define, measure, analyze, improve, control), and failure mode and effects analysis (FMEA). (Evaluate)</p> <p>4. Innovation and creativity tools - Use various techniques and exercises for creative decision making and problem solving, including brainstorming, mind mapping, lateral thinking, critical thinking, the 5 whys, and design for Six Sigma (DFSS). (Apply)</p> <p>5. Cost of quality (COQ) - Define and distinguish between prevention, appraisal, internal, and external failure cost categories and evaluate the impact that changes in one category will have on the others. (Evaluate)</p>
<p>B. Process Management</p>	<p>1. Process goals - Describe how process goals are established, monitored, and measured and evaluate their impact on product or service quality. (Evaluate)</p> <p>2. Process analysis - Use various tools to analyze a process and evaluate its effectiveness on the basis of procedures, work instructions, and other documents. Evaluate the process to identify and relieve bottlenecks, increase capacity, improve throughput, reduce cycle time, and eliminate waste. (Evaluate)</p> <p>3. Lean tools - Identify and use lean tools such as cycle-time reduction, 5S, just-intime (JIT), kanban, value stream mapping, single-minute exchange of die (SMED), poke-yoke, kaizen, and overall equipment effectiveness (OEE). (Apply)</p> <p>4. Theory of constraints (TOC) - Define key concepts of TOC: systems as chains, local vs. system optimization, physical vs. policy constraints, undesirable effects vs. core problems, and solution deterioration. Classify constraints in terms of resources and</p>

	<p>expectations as defined by measures of throughput, inventory, and operating expense. (Understand)</p>
<p>C. Measurement: Assessment and Metrics</p>	<p>1. Basic statistical use - Use techniques such as the goalquestion-metric (GQM) model and others to identify when, what, and how to measure projects and processes. Describe how metrics and data gathering methods affect resources and vice-versa. (Apply)</p> <p>2. Sampling - Define and describe basic sampling techniques such as random and stratified. Identify when and why sampling is an appropriate technique to use. (Understand)</p> <p>3. Statistical analysis - Calculate basic statistics: measures of central tendency (mean, median, mode), and measures of dispersion (range, standard deviation, and variance). Identify basic distribution types (normal, bimodal, skewed) and evaluate run charts, statistical process control (SPC) reports, and other control charts to make data-based decisions. (Evaluate)</p> <p>4. Measurement systems analysis - Define basic measurement terms: accuracy, precision, bias, and linearity. Understand the difference between repeatability and reproducibility in gauge R&R studies. (Understand)</p> <p>5. Trend and pattern analysis - Interpret graphs and charts to identify cyclical, seasonal, and environmental data trends. Evaluate control chart patterns to determine shifts and other trend indicators in a process. (Evaluate)</p> <p>6. Process variation - Analyze data to distinguish between common and special cause variation. (Analyze)</p> <p>7. Process capability - Recognize process capability (C_p and C_{pk}) and performance indices (P_p and P_{pk}). (Understand)</p> <p>8. Reliability terminology - Define and describe basic reliability measures: mean time between failures (MTBF) and mean time to repair (MTTR). Understand the value of reliability for estimating the probability of being able to meet requirements or specifications, typically for a specific period of time. NOTE: Reliability calculations will not be tested. (Understand)</p> <p>9. Qualitative assessment - Identify subjective measures such as verbatim comments from customers, observation records, and focus group output.</p>

	Describe how they differ from objective measures, and determine when measurements should be captured in categories rather than numeric value. (Analyze)
V. Customer-Focused Organizations (17 Questions)	
A. Customer Identification and Segmentation	<ol style="list-style-type: none"> 1. Internal customers <ul style="list-style-type: none"> - Define and describe the impact an organization's treatment of internal customers will have on external customers. Develop methods for energizing internal customers to improve products, processes, and services and evaluate the results. (Evaluate) 2. External customers <ul style="list-style-type: none"> - Define external customers and describe their impact on products and services. Develop strategies for working with them and integrating their requirements and needs to improve products, services, and processes. (Evaluate) 3. Customer segmentation <ul style="list-style-type: none"> - Define and describe the process of customer segmentation and its impact on aligning service and delivery to meet customer needs. (Evaluate)
B. Customer Relationship Management	<ol style="list-style-type: none"> 1. Customer needs <ul style="list-style-type: none"> - Use quality function deployment (QFD) to analyze customer needs in relation to products and services offered. Use the results of the analysis to prioritize future development in anticipation of changing customer needs. (Analyze) 2. Customer satisfaction and loyalty <ul style="list-style-type: none"> - Develop systems to capture positive and negative customer perceptions and experiences using tools such as voice of the customer, listening posts, focus groups, complaints and warranty data, surveys, and interviews. Use customer value analysis to calculate the financial impact of existing customers and the potential results of losing those customers. Develop corrective actions and proactive methods to improve customer satisfaction, loyalty, and retention levels. (Create) 3. Customer service principles <ul style="list-style-type: none"> - Develop and deploy strategies that support customer service principles: courtesy, politeness, smiles, cheerfulness, attention to detail, active listening, empathy, rapid response, and easy access for information and service. (Apply) 4. Multiple and diverse customer management <ul style="list-style-type: none"> - Establish and monitor priorities to avoid or resolve conflicting customer requirements and demands. Develop methods and systems for managing capacity and resources to meet the

	needs of multiple customers. Describe the impact that diverse customer groups can have on all aspects of product and service development and delivery. (Evaluate)
VI. Supply Chain Management (15 Questions)	
A. Supplier Selection	- Define, develop, and use criteria for selecting suppliers, including internal rating programs and external certification standards. Assess and manage the impact these programs can have on various internal processes of the organization. (Create)
B. Supplier Communications	- Develop and implement specific communication methods with suppliers, including regularly scheduled meetings and routine and emergency reporting procedures. Develop explicit expectations and confirm that the supplier is aware of critical product and delivery requirements. (Create)
C. Supplier Performance	- Define, develop, and monitor supplier performance in terms of quality, cost, delivery, and service levels, and establish associated metrics for defect rates, product reliability, functional performance, timeliness, responsiveness, and availability of technical support. (Create)
D. Supplier Improvement	- Define and conduct supplier audits, evaluate corrective and preventive action plans, provide feedback, and monitor process improvements. (Create)
E. Supplier Certification, Partnerships, and Alliances	- Define and implement supplier certification programs that include process reviews and performance evaluations. Identify strategies for developing customer-supplier partnerships and alliances. (Create)
F. Supplier Logistics and Material Acceptance	- Describe the impact that purchased products and services can have on final product assembly or total service package, including ship-to-stock, and just-in-time (JIT). Plan and conduct incoming material inspections. (Understand)
VII. Training and Development (15 Questions)	
A. Training Plans	- Develop and implement training plans that are aligned with the organization's strategic plan and general business needs, including leadership training and alignment of personal development plans. (Create)

B. Training Needs Analysis	- Use various tools and techniques such as surveys, performance reviews, regulatory guidances, and gap analysis to identify training needs. (Create)
C. Training Materials, Development, and Delivery	- Use various tools, resources, and methodologies to develop training materials and curriculum that address adult learning principles and the learning needs of an increasingly diverse workforce. Describe various methods of training delivery: classroom, workbooks, simulations, computerdelivered, on-the-job, and self-directed. Use mentoring and coaching to support training outcomes. (Apply)
D. Training Effectiveness and Evaluation	- Assess training effectiveness and make improvements based on feedback from training sessions, end-of-course test results, on-the-job behavior or performance changes, and departmental or area performance improvements. (Create)

CMQ/OE Sample Questions:

01. Which of the following is a good tool for planning cycle-time reduction and concurrent operations?

- a) A timeline
- b) A Pareto diagram
- c) An X and R chart
- d) A PERT chart

02. A mission statement should meet which of the following requirements?

- a) It should address only issues of values, beliefs, and philosophies of the organization.
- b) It should be something currently unachievable, so that the organization will have to stretch itself.
- c) It should be clear and understandable to all of the organization's personnel.
- d) It should be of sufficient length and breadth to cover all aspects of the organization's business.

03. Which of the following statements is the best example of a tactical plan?

- a) "Increase the return on equity (ROE) by 30% in five years."
- b) "Increase the share in select market by 15%."
- c) "Develop an instrument calibration program."
- d) "Improve the quality by 40% in seven years."

04. An internal quality audit should be designed primarily to answer which of the following questions?

- a) "Is the process effective?"
- b) "What is the degree of management compliance?"
- c) "How can the process be made more efficient?"
- d) "What is the level of compliance?"

05. Which of the following should happen first when implementing a total quality management (TQM) process?

- a) Assigning team goals
- b) Developing strategies
- c) Constructing a mission statement
- d) Making organizational changes that support TQM

06. Which of the following actions is NOT used to reduce process cycle time?

- a) Analyzing current processes
- b) Reducing queue times
- c) Setting priorities
- d) Implementing activity-based costing

07. Which of the following departments provides services primarily to external customers?

- a) Human resources
- b) Purchasing
- c) Marketing
- d) Manufacturing

08. Which of the following is the best way to ensure that information is conveyed appropriately?

- a) Sending e-mails or interoffice memos to everyone in the organization
- b) Using a communication plan
- c) Posting it on the organization's web site
- d) Explaining the details at a meeting

09. Before selecting a supplier as a partner, a customer should do which of the following first?

- a) Conduct supplier surveys.
- b) Define its own needs.
- c) Determine which suppliers are industry leaders.
- d) Get feedback from employees about how various suppliers are performing.

10. In order to be successful, a change agent in a company should do which of the following?

- a) Understand and respect peoples' needs.
- b) Disregard previous unsuccessful efforts to transform the company.
- c) Maintain allegiance to the traditions and image of the company.
- d) Keep potentially painful change quiet until it must be communicated.

Answers to CMQ/OE Exam Questions:

Question: 01 Answer: d	Question: 02 Answer: c	Question: 03 Answer: c	Question: 04 Answer: d	Question: 05 Answer: c
Question: 06 Answer: d	Question: 07 Answer: c	Question: 08 Answer: b	Question: 09 Answer: b	Question: 10 Answer: a

Note: If you find any typo or data entry error in these sample questions, we request you to update us by commenting on this page or write an email on feedback@processexam.com