



ICYB

IASSC Certified Lean Six Sigma Yellow Belt

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Exam Summary

Syllabus

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Keys to success in ICYB Exam on IASSC Certified Lean Six Sigma Yellow Belt

To achieve the professional designation of IASSC Certified Lean Six Sigma Yellow Belt from the IASSC, candidates must clear the ICYB Exam with the minimum cut-off score. For those who wish to pass the IASSC ICYB certification exam with good percentage, please take a look at the following reference document detailing what should be included in IASSC Lean Six Sigma Yellow Belt Exam preparation.

The IASSC ICYB Exam Summary, Body of Knowledge (BOK), Sample Question Bank and Practice Exam provide the basis for the real IASSC Certified Lean Six Sigma Yellow Belt exam. We have designed these resources to help you get ready to take IASSC Certified Lean Six Sigma Yellow Belt (ICYB) exam. If you have made the decision to become a certified professional, we suggest you take authorized training and prepare with our online premium [IASSC Lean Six Sigma Yellow Belt Practice Exam](#) to achieve the best result.

IASSC ICYB Certification Details:

Exam Name	IASSC Certified Lean Six Sigma Yellow Belt
Exam Code	ICYB
Exam Fee	USD \$195
Exam Duration	120 Minutes
Number of Questions	60
Passing Score	230/300
Format	Multiple Choice
Schedule Exam	Book Your Exam
Sample Questions	IASSC ICYB Exam Sample Questions and Answers
Practice Exam	IASSC Certified Lean Six Sigma Yellow Belt Practice Test

IASSC ICYB Exam Syllabus:

Define Phase	
The Basics of Six Sigma	<ul style="list-style-type: none"> - Meanings of Six Sigma - General History of Six Sigma & Continuous Improvement - Deliverables of a Lean Six Sigma Project - The Problem Solving Strategy $Y = f(x)$ - Voice of the Customer, Business and Employee - Six Sigma Roles & Responsibilities
The Fundamentals of Six Sigma	<ul style="list-style-type: none"> - Defining a Process - Critical to Quality Characteristics (CTQ's) - Cost of Poor Quality (COPQ) - Pareto Analysis (80:20 rule) - Basic Six Sigma Metrics <ul style="list-style-type: none"> a. including DPU, DPMO, FTY, RTY Cycle Time, deriving these metrics
Selecting Lean Six Sigma Projects	<ul style="list-style-type: none"> - Building a Business Case & Project Charter - Developing Project Metrics - Financial Evaluation & Benefits Capture
The Lean Enterprise	<ul style="list-style-type: none"> - Understanding Lean - The History of Lean - Lean & Six Sigma - The Seven Elements of Waste <ul style="list-style-type: none"> a. Overproduction, Correction, Inventory, Motion, Overprocessing, Conveyance, Waiting. - 5S <ul style="list-style-type: none"> a. Straighten, Shine, Standardize, Self-Discipline, Sort
Measure Phase	
Process Definition	<ul style="list-style-type: none"> - Cause & Effect / Fishbone Diagrams - Process Mapping, SIPOC, Value Stream Map - X-Y Diagram - Failure Modes & Effects Analysis (FMEA)

Six Sigma Statistics	<ul style="list-style-type: none"> - Basic Statistics - Descriptive Statistics - Normal Distributions & Normality - Graphical Analysis
Measurement System Analysis	<ul style="list-style-type: none"> - Precision & Accuracy - Bias, Linearity & Stability - Gage Repeatability & Reproducibility - Variable & Attribute MSA
Process Capability	<ul style="list-style-type: none"> - Capability Analysis - Concept of Stability - Attribute & Discrete Capability - Monitoring Techniques
Control Phase	
Lean Controls	<ul style="list-style-type: none"> - Control Methods for 5S - Kanban - Poka-Yoke (Mistake Proofing)
Six Sigma Control Plans	<ul style="list-style-type: none"> - Cost Benefit Analysis - Elements of the Control Plan - Elements of the Response Plan

ICYB Sample Questions:

01. As we begin to describe the things occurring with our process through a Process Map we begin to see some steps that are NVA which stands for

- _____.
- a) Non-value add
 - b) No violation allowed
 - c) Non-value actions
 - d) Next vehicle action

02. 5S Sorting: Items used weekly should be kept _____?

- a) In a remote location
- b) In a local location
- c) Within arm's reach
- d) In a storage area

03. During the Process Discovery activity of the Measure Phase our team uses a _____ to brainstorm concerning all the potential things that could impact the output of the process we are investigating.

- a) Pareto Chart
- b) Shewhart Analytical
- c) Fishbone Diagram
- d) None

04. In the expression $Y = f(X_n)$ Y, the output, is the _____ variable and X_n , the inputs, are the _____ variables.

- a) Independent, dependent
- b) Individual, multiple
- c) Sole, multiple
- d) Dependent, independent

05. Which of the following would likely be a CTQ (Critical-to-Quality) for the purchase of a service?

- a) Documentation is clear
- b) Was timely in delivery
- c) Required no redo
- d) All of these answers are correct

06. As a standard for a process to be at the 6 Sigma quality level, it must have?

- a) C_p & $C_{pk} > 1.5$
- b) C_p & $C_{pk} > 2$
- c) $C_p > 1.5$ & $C_{pk} > 2.0$
- d) $C_p > 2.0$ & $C_{pk} > 1.5$

07. A concept that addresses the consistency of process workers is called _____?

- a) Supervising
- b) Visual Factory
- c) Standard Operating Procedures
- d) Performance Drivers

08. A key metric in Six Sigma is the DPMO which stands for _____?

- a) Delayed production metrics output
- b) Defects by management oversight
- c) Defects per million opportunities
- d) Developed production management oversight

09. The DMAIC approach to problem solving stands for Define, _____, Analyze, Improve and Control.

- a) Manage
- b) Measure
- c) Memorize
- d) Manipulate

10. As a Belt completes a LSS project she creates for the Process Owner a Control Plan. The Control Plan is to remain active and open for

- a) One year
- b) The rest of the fiscal year
- c) The life of the process
- d) Three years

Answers to ICYB Exam Questions:

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

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