

Bloom's Cognition Taxonomy (1956)

1. Remember the information
Which ISO standard applies to Test Labs?
A 9001 B 13485 **C 17025** D Other
2. Understand the information
Which structure allows resources to be shared?
A Matrix B Team C Vertical D Horizontal
3. Apply the information
Which is **least** important in problem solving?
~~A Cause and Effect~~ B Brainstorming
*** C Management Opinion** ~~D Reliable Facts~~


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In addition to **content** specifics, the subtext detail also indicates the intended **complexity level** of the test questions for that topic. These levels are based on “Levels of Cognition” (from *Bloom's Taxonomy*, 1956) and are presented here in rank order, from least complex to most complex. (Please number them in your book 1-6.)

Remember = Knowledge Level - Answer C – See list of standards – Easy to look up
(Also commonly referred to as recognition, recall, or rote knowledge.) Able to remember or recognize terminology, definitions, facts, ideas, materials, patterns, sequences, methodologies, principles, etc. (Can usually be found in the book or reference.)

Understand = Comprehension Level – Answer True, Matrix means multiple bosses
Being able to read and understand descriptions, communications, reports, tables, diagrams, directions, regulations, etc.

Application Level – Answer C – Task requires facts and structured approach
Being able to apply ideas, procedures, methods, formulas, principles, theories, etc. in job-related situations.



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4. **Analyze the information**
 Why don't individuals follow written procedures?
 A It's easier not to B It's quicker not to
 C People are too lazy D A and B only

5. **Evaluate options based on big picture**
 Which of the following would be more reliable?
 A Procedural controls B Secondary Approval
 C Go/No Go Gauge D Visual Standard

6. **Synthesize conclusions, controls & solutions**
 Which would make a procedure easier to train employees?
 A Process flow chart B Table of Responsibilities
 C Checklist of activities D Pictures of each task

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**Analysis – D, What causes procedural non-compliance? How do you assure compliance?
 What could cause process capability to be too low? Hi variation
 What other tests should be run?**

Requires you to break down information into its constituent parts, and recognize their relationship to one another and how they are organized. Also requires you to identify sublevel factors or salient data from a complex scenario.

Evaluation – C, Pros & Cons for a 2nd operator sign off be required to control an activity?

Requires you to make judgments regarding the value of proposed ideas, solutions, methodologies, etc., by using appropriate criteria or standards to estimate accuracy, effectiveness, economic benefits, etc.

Synthesis – True, How can we better control an activity? Possible solutions?

Requires you to put parts or elements together in such a way as to show a pattern or structure not clearly seen before. Also requires you to identify which data or information from a complex set is appropriate to examine further or from which supported conclusions can be drawn.