



**BODY OF KNOWLEDGE
API Bolted Flange Joint Assembler
Certification Exam**

**July 2026, December 2026,
April 2027, August 2027, December 2027,
and April 2028**

API Bolted Flange Joint Inspector exam tests the individual's knowledge of how to perform pre-tightening, in-process, and post-assembly inspections for quality assurance of bolted joints.

Candidates will have 3.25 hours to complete the 85-question exam. The exam will be administered on a computer and contain 75 scored questions and 10 unscored pretest questions.

Exam questions may be:

- multiple-choice-single-response (MCSR): candidates are expected to choose the single best answer from the options provided
- multiple-choice-multiple-response (MCMR): candidates are expected to choose all correct answers
- drag and drop: candidates are expected to choose all correct answers

This exam is closed book and candidates *may not* use personal reference materials during the exam. API will *not* provide reference materials during the test. The applicant will use information covered by the reference materials listed in the Publication Effectivity Sheet and Body of Knowledge for exam questions.

REFERENCE PUBLICATIONS:

- **ASME PCC-1**, *Pressure Boundary Bolted Flange Joint Assembly*
- **ASME B16.5**, *Pipe Flanges and Flanged Fittings: NPS 1/2 Through NPS 24 Metric/Inch Standard*
- **ASME B16.20**, *Metallic Gaskets for Pipe Flanges*
- **ASME B16.47**, *Large Diameter Steel Flanges: NPS 26 through NPS 60, Metric/Inch Standard*
- **API Specification 6A**: *Wellhead and Tree Equipment*

ASME PCC-1 primarily focuses on the development of bolting procedures. The following sections are applicable to the role of the Assembler.

Candidates are expected to demonstrate knowledge in the following categories:

1. Flanged Joints
2. Bolts
3. Gaskets
4. Lubrication
5. Bolting tools and equipment
6. Assembly of flanges

References

- ASME PCC-1: The following sections will be tested.
 - Sections 4-9, 14
 - Mandatory Appendix I
 - Non-Mandatory Appendices
 - Appendix A-1.3.2
 - Appendix Table C-1
 - Appendix D-1 to D-4; Figure D-3-1 and Figure D-3-2
 - Appendix E-1 to E-4; Figure E-2-1, Figure E-2-2; Figure E-2-3; Figure E-2-4; Table E-2-1
 - Appendix F-2, F-5, F-6, F-8; Figure F-6.1.1.2.1-1; Figure F-6.1.1.2.2-1
 - Appendix H
 - Appendix J-2
 - Appendix K-1
 - Appendix M-1
 - Appendix N
 - Appendix P-4.2, P-4.5, Figures P-4.6.1-1, P-4.6.2-1; P-4.6.3-1; Table P-5-1; Table P-5-2
 - Appendix Q-1 to Q-3; Q-5.1-Q-5.2
 - Appendix R

Exclusion

The following ASME PCC-1 Nonmandatory Appendices are excluded from the exam.

- Nonmandatory Appendix B
- Nonmandatory Appendix C
- Nonmandatory Appendix G
- Nonmandatory Appendix I
- Nonmandatory Appendix L
- Nonmandatory Appendix O

- ASME B16.5: The following sections will be tested
 - Sections 1, 2, 4, Table 8, Table 8C, Figure 6

- ASME B16.20: The following sections will be tested
 - Sections GR, SW-2.2, SW-4.1, RJ-4, Table GM-3.1-1

- ASME 16.47: The following sections will be tested
 - Scope

- API Specification 6A: The following sections will be tested
 - 14.2.2; 14.2.5; Table 39