BODY OF KNOWLEDGE FOR
API 577 WELDING INSPECTION AND METALLURGY
CERTIFICATION EXAM

The API 577 certification tests the individual's knowledge and expertise in the field of welding and metallurgy. The API 577 certification will add significant value to your professional credentials, demonstrating to your employers and clients that you have obtained a high level of proficiency and understanding in this important field.

The exam consists of 110 scored questions and 10 pretest questions; and runs for 3 hours and 15 minutes; no references are available during the exam, and nothing may be brought into the test center.

The exam focuses on the most recent edition of the API 577 document and other referenced publications.

REFERENCE PUBLICATIONS:

A. API Publications
- **API Recommended Practice 577**, *Welding Process, Inspection, and Metallurgy, 3rd Edition, October 2020*

B. American Society of Mechanical Engineers (ASME) Publication
- **ASME Boiler and Pressure Vessel Code (BPVC)**
  - **Section IX,** *Welding, Brazing, and Fusing Qualifications: Part QW only*

Candidates are expected to demonstrate knowledge in the following categories:

1. Terms, Definitions, and Acronyms
2. Welding Processes
3. Welding Materials
4. Welding Procedure
5. Welder Qualification
6. Nondestructive Examination
7. Welding Inspection
8. Metallurgy
9. Refinery and Petrochemical Plant Welding Issues
10. Safety Precautions

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