



COURSE TITLE : **VISUAL TESTING
LEVEL-I (ASNT: SNT-TC-1A: 2011)**

SPONSORING DEPARTMENT : **NON DESTRUCTIVE TESTING (NDT) TRAINING CENTER**

COURSE DESCRIPTION:

Fundamentals: Principles of visual testing, selection of correct visual technique, equipment and materials. Specific applications: welded joints.

LEARNING OBJECTIVES:

Upon completion of this course the trainees will be able to know:

- The fundamentals of this method like vision, light, environment factors and the equipments which are used to aid the process of inspection.
- Fundamental principles affecting VT.
- Equipments used in VT.

COURSE OUTLINE:

- Hands-On Practical on many weld specimens of Plate, Pipe, T&Y configurations.
- Review & Discussions.
- Mock Up Tests, Home Works, and Examinations.
- Test will be conducted in 3 methods:
1. General 2. Specific 3. Practical
- The candidate successfully completes the course if he gets a minimum score of 70% in each test (General, Specific and Practical) and a minimum of 80% for the average of 3 tests.

WHO SHOULD ATTEND THIS COURSE:

- Should be High School graduate of science branch (minimum recommended level of education).
- Should have a minimum experience of 70 hours in method and 130 hours in NDT.
- Certificates: Near Vision acuity (Jaeger Number 2 or Ortho-Rater 8), and Color Contrast Differentiation has to be submitted at the time of registration.

METHODOLOGY (THEORY/LAB. OR BOTH):

Theory and Lab.

MEDIUM OF INSTRUCTION:

English (course materials and visual aid packages are in English).

COURSE DURATION: 1 week

HOURS PER DAY: 7 hours

TOTAL HOURS: 35 hours



COURSE TITLE : **VISUAL TESTING**
LEVEL-II (ASNT: SNT-TC-1A: 2011)

SPONSORING DEPARTMENT : **NON DESTRUCTIVE TESTING (NDT) TRAINING CENTER**

COURSE DESCRIPTION:

Fundamentals: Principles of visual testing, selection of correct visual technique, equipment and materials. Specific applications: welded joints. Interpretation and evaluation of test results. The trainee will be capable of making independent decisions after referring to the relevant codes and standards.

LEARNING OBJECTIVES:

Upon completion of this course the trainees will be able to know:

- The fundamentals of this method like vision, light, environment factors and the equipments which are used to aid the process of inspection.
- Fundamental principles affecting VT.
- Equipments used in VT.
- Interpreting results based on ASTM / ASME standards and specifications.
- Interpret the Company Procedure to perform acceptance/rejection.

COURSE OUTLINE:

- Hands-On Practical on many weld specimens of Plate, Pipe, T&Y configurations.
- Review & Discussions.
- Mock Up Tests, Home Works, and Examinations.
- Test will be conducted in 3 methods:
2. General 2. Specific 3. Practical
- The candidate successfully completes the course if he gets a minimum score of 70% in each test (General, Specific and Practical) and a minimum of 80% for the average of 3 tests.

WHO SHOULD ATTEND THIS COURSE:

- Should be High School graduate of science branch (minimum recommended level of education).
- Should have a minimum experience of 140 hours in method and 270 hours in NDT.
- Certificates: Near Vision acuity (Jaeger Number 2 or Ortho-Rater 8), and Color Contrast Differentiation has to be submitted at the time of registration.

METHODOLOGY (THEORY/LAB. OR BOTH):

Theory and Lab.

MEDIUM OF INSTRUCTION:

English (course materials and visual aid packages are in English).

COURSE DURATION: 1 week

HOURS PER DAY: 7 hours

TOTAL HOURS: 35 hours