### Assignment 1

The due date for submitting this assignment has passed. As per our records, you have not submitted this assignment.

1. Identify the non-destructive testing technique:
   - Chemical testing
   - Defect current testing
   - Compression testing
   - Tensile testing
   - Radiographic testing
   - Both a and b
   **No, the answer is incorrect.**
   **Correct Answer:** Both a and b

2. Which of the following equipment in NDT is used to inspect the inside portion of hollow chamber?
   - Refractive
   - Birefringence
   - Endoscope
   - Microscope
   **No, the answer is incorrect.**
   **Correct Answer:** Endoscope

3. What is the field of view range of a rigid endoscope?
   - From 15 to 60 degree
   - From 15 to 90 degree
   - From 40 to 60 degree
   - From 40 to 80 degree
   **No, the answer is incorrect.**
   **Correct Answer:** From 15 to 60 degree

4. Which of the following is not true about flexible endoscope?
   - Offers great magnification
   - Cannot be used for use of extension tube
   - Heater-coil facility
   - Used for rapid inspection
   **No, the answer is incorrect.**
   **Correct Answer:** Cannot be used for use of extension tube

5. Acceptable methods of penetrant application are:
   - Spraying
   - Dipping
   - Brushing
   - All the above
   **No, the answer is incorrect.**
   **Correct Answer:** All the above

6. In LPI testing, the reflecting surface of a solid surface by a liquid is depend on ________ parameter:
   - Contact angle
   - Surface tension
   - Viscosity
   - Critical angle
   **No, the answer is incorrect.**
   **Correct Answer:** Contact angle

7. How can one reduce the ‘dwell time’ in LPI testing?
   - Keeping surface clean
   - Choosing the liquid with high degree of wetting
   - Liquid with low viscosity
   - All the above
   **No, the answer is incorrect.**
   **Correct Answer:** All the above

8. The purpose of using the developer is:
   - Prevent the part from corrosion after the LPI test
   - Assist in reverse development, which allows an additional ability of developers
   - To ensure that the part has been correctly heat treated
   - To create a contrast background for the penetrants to allow better visibility of indications
   **No, the answer is incorrect.**
   **Correct Answer:** To create a contrast background for the penetrants to allow better visibility of indications

9. Which of the following penetrant has a built-in emulsifier?
   - Water based
   - Solvent emulsified
   - Post emulsified
   - None of the above
   **No, the answer is incorrect.**
   **Correct Answer:** None of the above

10. What is likely result of incomplete removal of all excess penetrant from the test piece?
    - Formation of weak indications
    - Formation of false indications
    - Exaggeration of the size of real indications
    - Both a and c
    **No, the answer is incorrect.**
    **Correct Answer:** Both a and c

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**Due on 2020-02-12, 23:59 EST.**