

Unit 10 - Week 8

Course outline

How does an NPTEL online course work?

Week 0

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Radiography - 6

Radiography - 7

Radiography - 8

Radiography - 9

Radiography - 10

Quiz : Week 8 Practice Assessment

Quiz : Assignment 8

Week 8 Feedback : Theory and Practice of Non Destructive Testing

Text Transcripts

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Assignment 8

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

Due on 2020-03-25, 23:59 IST.

1) Which of the energy, provided to the electrons is converted as X -rays? 1 point

- Mechanical energy
- Heat energy
- Kinetic energy
- Potential energy

No, the answer is incorrect.
Score: 0

Accepted Answers:
Kinetic energy

2) Which of the following element is used as a target in X -ray generator; 1 point

- Tungsten
- Molybdenum
- Zirconium
- Germanium

No, the answer is incorrect.
Score: 0

Accepted Answers:
Molybdenum

3) Which of the following is not a factor to be considered to reduce geometric unsharpness? 1 point

- Source-to-film distance
- Object-to-film distance
- Source size
- Source strength

No, the answer is incorrect.
Score: 0

Accepted Answers:
Source strength

4) If a testing material is iron in radiographic test, the penetrameter also must be made of: 1 point

- Aluminium
- Iron
- Nickel
- Chromium

No, the answer is incorrect.
Score: 0

Accepted Answers:
Iron

5) You are inspecting a component using radiography test. After you develop the film, you are not satisfied with the quality of the image. What will you do to enhance the quality of the image? 1 point

- Increase the distance between the source and the sample
- Decrease the distance between the source and the sample
- Decrease the distance between the film and the object
- None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
Decrease the distance between the film and the object

6) Which of the following metals are used in the intensifying screen: 1 point

- Lead
- Copper
- Tantalum
- Tungsten
- All the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
All the above

7) Select the odd one out 1 point

- Photoelectric scattering
- Photo disintegration
- Compton scattering
- Pair production

No, the answer is incorrect.
Score: 0

Accepted Answers:
Photo disintegration

8) Intensifying screen must be in between: 1 point

- Sample and the film
- Source and the film
- Operator and the film
- Object and the film

No, the answer is incorrect.
Score: 0

Accepted Answers:
Sample and the film

9) X -rays provides: 1 point

- 2D profile of the defect
- 3D profile of the defect
- 4D profile of the defect
- 1D profile of the defect

No, the answer is incorrect.
Score: 0

Accepted Answers:
2D profile of the defect

10) Which of the following is not true in digital radiography? 1 point

- Digital radiography needs X-ray film
- Digital radiography converts X-rays into electrical signal
- Digital radiography needs developing of the film
- Store the captured image and analyse it later
- Only d
- Both a and c

No, the answer is incorrect.
Score: 0

Accepted Answers:
Both a and c