Research X-Ray Safety Fundamentals Quiz

References:

NIU X-Ray Safety Manual
NIU X-Ray Fundamentals (PPT)
NIU X-Ray Safety Video

Instructions:

1. Please (carefully) read NIU X-Ray safety references before taking the quiz.
2. Print out this form and circle correct answers in black ink.
3. This is an open book exam, please refer to NIU references.
4. Print your full name, name of your principal investigator (professor/researcher), X-Ray location, NIU phone number, e-mail address, and today’s date on spaces provided.
5. Read each question carefully and answer them all.
6. Quiz should take about 15 minutes to complete.
7. Sign your name at bottom of quiz.
8. Make a copy of completed form for your records and send the original through campus mail to:

   Michele Crase, Lab Safety –ORCI
   mcrase@niu.edu
   Fax 815-753-4802

Any questions please call Michele Crase 815-753-9251
Research X-ray Safety Fundamentals Quiz

Name: ____________________________ Date: ____________________

Name of principal investigator (professor/researcher): ____________________________

Your NIU Phone #: ____________________ your e-mail address: ____________________

X-ray Lab location (Building/room #): ____________________________

Quiz (circle best answer)

1. X-rays were discovered in ______?  2001  1985  1977  1895

2. X-rays are a form of ______ radiation?
   - Cosmetic
   - Particulate
   - Visible
   - Electromagnetic

3. A cracked X-ray viewing window is an example of an unsafe condition? True  False

4. X-rays pass right through matter with no interactions. True  False

5. The most common X-ray device at NIU is used for ______ research.
   - Industrial
   - Therapy
   - Federalism
   - Analytical

6. You could place your finger into a primary X-ray beam for minutes without any effect? True  False

7. It is desirable to shield X-rays with lead. True  False

8. Increased distance from an X-ray device will ______ my radiation exposure.
   - Raise
   - Decrease
   - Have no effect
   - Stop

9. Having a Radiation Protection Plan is an option, not a requirement. True  False

10. If you plan to obtain an X-ray device for use at NIU you must notify _________.
    - Next of Kin
    - NIU Radiation Safety Officer
    - Surgeon General
    - Nobody

11. If you modify or repair an X-ray device’s shielding, you do not need to notify anyone. True  False

12. Minors are NOT allowed to operate X-ray devices without prior approval of the NIU Radiation Safety Officer. True  False

Quiz completed by: ________________________________________________

Please sign name

Your signature indicates that you have had any questions answered and understand the information presented.

Mail Completed Quiz through campus mail to Michele Crase, Lab Safety -ORCI or fax to: 815-753-4802  attn: Michele Crase