Torres Patient Care in Imaging Technology 9th edition Dutton Test Bank

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1. Which of the following was NOT one of the early uses of x-ray:
   A) Remove facial hair
   B) Size shoes
   C) Cure cancer
   D) Change ore into gold

2. Which of the following is NOT an early radiation effect?
   A) CNS
   B) Cataractogenesis
   C) GI system
   D) Hematopoietic system

3. Which of the following defines the inverse square law?
   A) Doubling the distance from the source decreases the beam's intensity by 4
   B) Doubling the distance from the source decreases the beam's intensity by half
   C) Doubling the distance from the source increases the beam's intensity by 4
   D) Doubling the distance from the source doubles the beam's intensity

4. Who discovered fluoroscopy?
   A) Roentgen
   B) Daly
   C) Curie
   D) Edison

5. When was X-ray discovered?
   A) 1985
   B) 1895
   C) 1900
   D) 1888

6. What is the annual occupational dose limit set by the NCRP?
   A) 5 rem (50mSv)
   B) 2 rem (20 mSv)
   C) 0.5 rem (5 mSv)
   D) 1 rem (10 mSv)

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7. What is ALARA?
   A) The concept of keeping radiation as low as achievable and still get an image
   B) The concept of using as much radiation as possible to get an image
   C) The concept of using radiation and making sure the patient has his/her x-rays to take home
   D) The concept of warning the patient that x-ray is dangerous

8. Radiographic position refers to:
   A) Specific body planes
   B) The direction of the central ray (CR)
   C) The path of the central ray (CR)
   D) The specific body position

9. Radiographic projection is:
   A) Specific body planes
   B) The direction of the central ray (CR)
   C) The path of the central ray (CR)
   D) The specific body position

10. Which of the following is important for building a successful foundation for learning?
   A) Daily exercise
   B) Community support
   C) Future goals
   D) Emotional preparedness

11. Individuals who learn best by doing are referred to as having which learning style?
   A) Kinesthetic
   B) Auditory
   C) Visual
   D) Repetition

12. Stress reduction activities include:
   A) Test taking
   B) Spending time with a friend
   C) Learning imaging terminology
   D) Positioning patients for imaging examinations

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13. True or False? Somatic effects are those damages that will occur to persons born to people who were actually irradiated.
    A) True
    B) False

14. True or False? The patient is the only concern in terms of radiation protection.
    A) True
    B) False

15. True or False? Student radiographers under the age of 18 have the same annual occupational dose as those over the age of 18.
    A) True
    B) False

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Answer Key

1. D
2. B
3. A
4. D
5. B
6. A
7. A
8. D
9. C
10. D
11. A
12. B
13. B
14. B
15. B

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