

RSO Practice Test Questions and Answers

1. A whole-body counter is used to measure:

- A) External gamma dose accumulated over time
- B) Internally deposited gamma-emitting radionuclides
- C) Neutron activation products in the body
- D) Beta skin contamination on the torso

2. Indirect action in radiation biology refers to:

- A) Radiation hitting DNA directly
- B) Radiation ionizing water to produce free radicals that damage DNA
- C) Scattered radiation reaching a secondary target
- D) Bystander effects from non-irradiated cells

3. Mixed waste contains both radioactive material and:

- A) Multiple different radionuclides
- B) Biohazardous material
- C) RCRA hazardous chemical waste
- D) Greater-than-Class-C radioactive material

4. A Geiger-Müller (GM) survey meter is best suited for:

- A) Accurately measuring high dose rates above 1 Gy/h
- B) Detecting the presence of low-level beta/gamma contamination
- C) Measuring neutron fluence rates
- D) Quantifying alpha emitters through intact clothing

Answers: 1-B 2-B 3-C 4-B

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