

**NR 442 NNA Bioterrorism Self-Study Exam**

**CORRECT Questions with Answers ARE HIGHLIGHTED**

1. Which of the following biological agents is not contagious?

- a. Smallpox
- b. Anthrax
- c. Pneumonic Plague
- d. Bubonic Plague

2. Which of the following biological agents does not occur naturally in the U.S.?

- a. Anthrax
- b. Tularemia
- c. Ebola
- d. Plague

3. Which biological agent forms a spore?

- a. Plague
- b. Anthrax

c. Smallpox

d. Tularemia

4. Which of the following is a true statement regarding smallpox?

a. Smallpox rash is typically distributed more on the trunk than the extremities.

b. A victim with smallpox is contagious.

c. Cases of smallpox are still found occasionally in Africa.

d. The recommended treatment for smallpox is ciprofloxacin or doxycycline.

5. What is the minimum length of isolation for people exposed to smallpox?

a. 10 days

b. 14 days

c. 17 days

d. 4 weeks

6. Aside from pregnant women, which of the following population should NOT receive a prophylactic smallpox immunization (ie. Immunization without history of confirmed smallpox exposure)?

a. Healthcare workers.

b. Children below the age of eight.

c. People with a history of atopic dermatitis or eczema.

d. People with a history of a previous smallpox vaccination.

7. CASE: You are working as a first aid nurse in a large convention center.

Approximately 500 people have been attending an all day community health conference. By mid-afternoon, however, more than a hundred attendees have developed complaints of double vision, dry mouth, and weakness.

Some have even left to go to the hospital. What is the most likely biological agent causing these symptoms?

a. Plague

b. Anthrax

c. Smallpox

d. Botulinum toxin

8. CASE: You are a home health nurse in your hometown. You live in a rural suburb of a large west coast city. You respond to a 911 call from a private residence where a 30 year old male is complaining of fever, headache, and vomiting. Upon arrival, you find him with mild shortness of breath. T= 101.2F, heart rate 98, blood pressure 112/68, respiratory rate 28. He appears ill. Because you've seen a number of similar patients tonight, you

suspect a biological attack has taken place. After your initial assessment, your first course of action should be to:

- a. Immediately notify the local health department
- b. Retrieve and put on personal protective equipment
- c. Undress the patient to look for any rashes.
- d. Establish intravenous access, give a fluid bolus, administer supplemental oxygen, and arrange for transport to the nearest hospital as soon as possible.

9. Which of the following is a true statement regarding personal protective equipment (PPE) for biological weapons:

- a. Level A is an encapsulated suit with a self-contained air supply.
- b. An N95 mask is recommended for first responders because it does not require fit testing.
- c. A first responder wearing a chemical resistant suit with a powered air purifying respirator is considered Level B.
- d. Level B is the recommended PPE level for first responders entering a building where a box filled with powdered anthrax has just been opened.

10. CASE: You work at a local clinic. Your co-worker has developed a fever, nonproductive cough, headache, and skin lesions over the past day or two.

They are primarily on his arms and face. They are red, tender, and appear to have a very small bit of bleeding in their center. Which of the following is the most likely cause of his symptoms?

- a. Bubonic plague
- b. Pneumonic plague
- c. Cutaneous anthrax
- d. Smallpox