Examination

1. Persons with a history of an allergy to eggs or egg proteins should not be administered which vaccine?
   a. Meningococcal
   b. Rubella
   c. Influenza
   d. Varicella
   e. MMR

2. The gelatin used in human vaccines is derived from
   a. horses
   b. cows
   c. chickens
   d. pigs
   e. many different animals

3. The substance in thimerosal that is of concern because it has associated with neurotoxicity, especially in children, is
   a. Lead
   b. Manganese
   c. Zinc
   d. Magnesium
   e. Mercury

4. Pregnancy and severe immunosuppression are contraindications to all of the following vaccines EXCEPT
   a. Varicella
   b. MMR
   c. Nasal Spray Influenza
   d. Hepatitis B
   e. Herpes Zoster

5. When a vaccine is given, all of the following information should be recorded in the patient's permanent medical record or in a permanent office log EXCEPT the
   a. room where the vaccine was administered
   b. lot number of the vaccine used
   c. date of administration
   d. name and title of the individual who administered the vaccine
   e. vaccine name and manufacturer

6. In a report from the Centers for Disease Control and Prevention, the incidence of vaccine-related adverse events was 1 in _____ administrations.
   a. 500
   b. 1,000
   c. 5,000
   d. 10,000
7. Although syncopal episodes are uncommon and serious allergic reactions are even more rare, vaccination specialists recommend that recipients be observed for ____ minutes after being vaccinated.
   a. 5 to 10
   b. 15 to 20
   c. 25 to 30
   d. 30 to 45
   e. 45 to 60

8. Using the wrong diluent or the wrong amount of diluent is considered to be which of the following errors?
   a. Program
   b. Unknown
   c. Vaccine
   d. Medical
   e. Coincidental

9. All of the following are "not live" vaccines EXCEPT
   a. Pneumococcal
   b. Human Papillomavirus
   c. Nasal Spray Influenza
   d. Tetanus, Diphtheria, and Pertussis
   e. Hepatitis B

10. Which vaccines are recommended for men who have sex with men?
    a. Pneumococcal and Human Papillomavirus
    b. Human papillomavirus and Meningococcal
    c. Influenza and Hepatitis A
    d. Herpes Zoster and Hepatitis B
    e. Hepatitis B and Hepatitis A

11. Which vaccine is currently only recommended for women?
    a. Nasal Spray Influenza
    b. Human Papillomavirus
    c. Meningococcal
    d. Herpes Zoster
    e. Pneumococcal

12. Regarding the human papillomavirus vaccine, all of the following genotypes are covered by the vaccine EXCEPT
    a. 6
    b. 11
    c. 13
    d. 16
    e. 18

13. Regarding the influenza vaccine, it is recommended for all of the following cases EXCEPT
    a. Persons with chronic medical conditions
    b. Employees of long-term care and assisted living facilities
    c. People with weakened immune systems due to HIV/AIDS or other diseases
    d. All pregnant women
e. People with certain medical conditions that can cause breathing difficulties

14. The vaccine recommended for first-year college students is?
   a. Meningococcal
   b. Human Papillomavirus
   c. Influenza
   d. Pneumococcal
   e. Herpes Zoster

15. The two vaccines recommended for persons > 65 years of age are?
   a. Pneumococcal and Meningococcal
   b. Pneumococcal and Influenza
   c. Influenza and Tetanus, Diphtheria, and Pertussis
   d. Meningococcal and Herpes Zoster
   e. Hepatitis B and Hepatitis A

16. All of the following types of vaccines are considered to be "not live" EXCEPT
   a. Inactivated
   b. Toxoid
   c. Component
   d. Attenuated
   e. Those treated with formaldehyde

17. The Vaccine Adverse Event Reporting system coded 2,269 cases of syncope in 11 years and _____ of these occurred within 15 minutes after vaccination.
   a. 12%
   b. 40%
   c. 57%
   d. 63%
   e. 89%

18. Most patients that develop Guillain-Barre Syndrome are hospitalized and _____ of these will actually become intubated.
   a. 10%
   b. 15%
   c. 25%
   d. 40%
   e. 50%

19. Guillain-Barre Syndrome most often follows a
   a. vaccination
   b. viral or bacterial infection
   c. hematology disorder
   d. oncology disorder
   e. demyelinating disorder

20. Entities that can be found within a vaccine and produce an allergic reaction, but are NOT responsible for the antibody response, include all of the following EXCEPT
   a. trace amounts of antibiotics
   b. viral antigens
   c. stabilizers, such as hydrolyzed gelatin
   d. egg proteins
   e. preservatives, such as thimerosal