

International Skin Beauty Academy

Chapter 31 Test · Infection Control

Student Name _____	Date _____	Score _____
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Section 1 | True / False (22 points)

Directions: Circle True or False for each statement.

#	STATEMENT	TRUE	FALSE	HINT
1	Microorganisms are larger living organisms that can be seen with the naked eye.	True	False	p. 705
2	The intact skin is the largest natural barrier to infections.	True	False	p. 710
3	Mucous membranes lining the body's orifices and respiratory, digestive, reproductive, and urinary tracts assist in attracting microorganisms.	True	False	p. 710
4	During the inflammatory process, blood vessels dilate to increase blood flow, watery fluids are produced, and neutrophils invade the site of injury.	True	False	p. 709
5	Antibodies have the ability to neutralize antigens.	True	False	p. 710
6	Innate immunity involves antibodies that are passed from a mother to an infant through breast milk.	True	False	p. 710
7	The Centers for Disease Control and Prevention's (CDC) Universal Precautions are used in hospitals, whereas Standard Precautions are used in the medical office.	True	False	p. 712
8	Ultrasonic technology cannot be used to sanitize equipment.	True	False	p. 724
9	Frequent and diligent hand washing provides the first defense against the spread of disease and should be done often.	True	False	p. 717
10	The CDC guidelines suggest that alcohol-based hand rubs can be used at the times usually required for hand washing.	True	False	p. 709
11	When removing personal protective equipment (PPE), the gloves are removed last to prevent contamination.	True	False	p. 721
12	Invasion is the stage when the pathogen enters the body through the portal of entry.	True	False	p. 707
13	Autoclaving is steam under pressure that destroys organisms by causing their cells to explode.	True	False	p. 725
14	The incubation period for hepatitis A is 14 to 50 days.	True	False	p. 711
15	Active immunity provides only temporary immunity because the body produces its own antibodies.	True	False	p. 710
16	Infants, especially those under three months of age, and the elderly are more prone to infection than other age groups.	True	False	p. 710
17	Medical assistants may use their bare hands to remove unwrapped, cleaned instruments from an autoclave.	True	False	p. 729
18	An instrument should be sanitized properly before sterilizing it chemically.	True	False	p. 724, 728, 730
19	Methicillin-resistant Staphylococcus aureus (MRSA) is an infection that is highly resistant to antimicrobial drugs.	True	False	p. 709
20	A serious MRSA infection is generally treated with one strong antibiotic.	True	False	p. 709

#	STATEMENT	TRUE	FALSE	HINT
21	A MRSA infection can occur through cuts, sores, catheters, and breathing tubes.	True	False	p. 709
22	Good hygiene practices are the best way to avoid contracting or spreading MRSA infection.	True	False	p. 709

Section 2 | Multiple Choice (55 points)

Directions: Circle the letter of the single best answer for each question.

1. The location of normal flora is _____.

- A) In the respiratory tract
- B) On the skin
- C) In the urinary and gastrointestinal tract
- D) All of the above

Hint: p. 706

2. At which stage is the infection most severe?

- A) Recovery period
- B) Acute period
- C) Multiplication stage
- D) Invasion stage

Hint: p. 707

3. Which is the study of fungi?

- A) Bacteriology
- B) Mycology
- C) Protozoology
- D) Virology

Hint: p. 705

4. Microorganisms occur everywhere in nature and have several requirements in order to grow. What is one of those requirements?

- A) Food
- B) Moisture and darkness
- C) Suitable temperature
- D) All of the above

Hint: p. 706

5. _____ is the destruction of all microorganisms, both pathogenic and nonpathogenic.

- A) Disinfection
- B) Sterilization
- C) Sanitization
- D) Friction

Hint: p. 725

6. Hepatitis _____ is transmitted by fecal waste contamination of food and the water supply.

- A) A
- B) B
- C) C
- D) D

Hint: p. 711

7. The incubation period for HIV and AIDS can vary by individual and can be _____.

- A) Up to 6 months
- B) Up to 8 months
- C) Up to 18 months
- D) Many years

Hint: p. 711

8. Which is not one of the symptoms of HIV?

- A) Headache
- B) Loss of appetite
- C) Swelling of lymph glands
- D) Diarrhea

Hint: p. 711

9. To keep the skin free of harmful organisms, there must be frequent hand washing using all of the following, except _____.

- A) Cold distilled water
- B) Disinfectant soap
- C) Friction
- D) Warm running water

Hint: p. 782

10. The process of disinfection destroys or inhibits the activity of _____.

- A) All spores
- B) All viruses

C) Spore-forming bacteria

D) Disease-causing organisms

Hint: p. 724

11. Chemical disinfectants used for soaking and wiping include all of the following, except _____.

A) Phenol

B) Alcohol

C) Baking soda

D) Soap

Hint: p. 724

12. _____ weeks is the incubation period of hepatitis C.

A) 2 to 4

B) 4 to 6

C) 6 to 10

D) 10 to 15

Hint: p. 711

13. Caregivers of a person with AIDS may do which of the following?

A) Call on clergy, counselors, and other health care professionals to help cope with feelings of frustration and stress.

B) Be comfortable touching the patient.

C) Encourage the patient to become involved in their own care.

D) All of the above

Hint: p. 711, 712

14. Standard precautions issued by the CDC involve all of the following, except _____.

A) Dietary restrictions

B) Hand hygiene

C) Personal protective equipment

D) Respiratory hygiene/cough etiquette

Hint: p. 712

15. _____ are items included in personal protective equipment.

A) Gloves

B) Face masks

C) Protective eyewear

D) All of the above

Hint: p. 712

16. A(n) _____ uses steam and pressure, dry heat, dry gas, or radiation for sterilization.

A) Incubator

B) Microwave oven

C) Echo chamber

D) Autoclave

Hint: p. 725

17. The sterilization time for unassembled syringes, individually wrapped in gauze or glass tubes, is _____.

A) 15 minutes

B) 30 minutes

C) One hour

D) Three hours

Hint: p. 725, 729

18. When wrapping and labeling instruments for autoclaving, the medical assistant should place the sterility indicator strip _____.

A) Next to the packet

B) Under the packet

C) In the center of the packet

D) On the top of the packet

Hint: p. 727

19. After use, nonsterile gloves that have come in contact with blood or bodily fluid should be disposed of in a _____.

A) Biohazard container

B) Recycle bin

C) Laundry hamper

D) Trash can

Hint: p. 714, 720

20. The procedure for applying sterile and nonsterile gloves is referred to as _____.

A) Donning

B) Sepsis

C) Wearing

D) All of the above

Hint: p. 725

21. Which of the following is not a method used for surgical asepsis?

A) Incubation

B) Disinfection

C) Sterilization

D) Sanitization

Hint: p. 721

22. What are the necessary sterilization time requirements for metal instruments on an open tray?

- A) 15 minutes
- B) 20 minutes
- C) 30 minutes
- D) 60 minutes

Hint: p. 725

23. Infants are especially susceptible to infection because _____.

- A) Their immune systems are underdeveloped
- B) They are unable to practice personal hygiene
- C) Their small size makes them vulnerable
- D) Their dirty diapers contain pathogens

Hint: p. 710

24. Which can cause contamination?

- A) Excessive jewelry
- B) Long fingernails
- C) Long hair
- D) All of the above

Hint: p. 730

25. All of the following are pathogens, except _____.

- A) Mosquitos
- B) Fungi
- C) Bacteria
- D) Viruses

Hint: p. 705, 706

26. Pathogens that are capable of producing disease grow best at a temperature of _____°F.

- A) 50.5
- B) 98.6
- C) 77.7
- D) 104.3

Hint: p. 706

27. Low temperatures of _____°F and below retard but do not kill bacterial growth.

- A) 23
- B) 32
- C) 43
- D) 54

Hint: p. 706

28. The body's largest natural barrier to infection is _____.

- A) The respiratory system
- B) The intestines
- C) Membranes
- D) Intact skin

Hint: p. 710

29. Infections acquired in a health care facility are called _____ infections.

- A) Acute
- B) Chronic
- C) Opportunistic
- D) Nosocomial

Hint: p. 708

30. Which is the first link in the chain of infection that harbors and nourishes a pathogen?

- A) Reservoir host
- B) Means of transmission
- C) Portal of entry
- D) Portal of exit

Hint: p. 706–707

31. The first mild signs and symptoms of infection begin to appear in the _____ period.

- A) Incubation
- B) Acute
- C) Prodromal
- D) Chronic

Hint: p. 707

32. When droplet precautions are used, a mask should be worn if the health worker is within _____ of an infected person.

- A) 5 feet
- B) 4 feet
- C) 3 feet
- D) 2 feet

Hint: p. 713

33. The incubation period for a hepatitis B liver infection is _____ days.

- A) 15 to 30
- B) 30 to 60
- C) 60 to 90
- D) 90 to 120

Hint: p. 711

34. Which type of hepatitis is transmitted via the fecal or oral route?

- A) A
- B) B
- C) C
- D) F

Hint: p. 711

35. _____ is an infection of the liver.

- A) Cancer
- B) HIV
- C) Hepatitis
- D) AIDS

Hint: p. 711

36. Instruments are considered sterile for _____ days.

- A) 3 to 12
- B) 12 to 21
- C) 21 to 30
- D) 30 to 39

Hint: p. 728

37. Which is not a condition of sterility?

- A) Correct temperature
- B) Correct time
- C) Exposure to moisture
- D) Correct color

Hint: p. 726

38. Which is not considered wrapping material when dealing with an autoclave?

- A) Aluminum foil
- B) Heavy paper
- C) Plastic
- D) Stainless steel containers

Hint: p. 726

39. Regardless of the model, which gauge is not on an autoclave?

- A) Jacket pressure
- B) Chamber pressure
- C) Radiation
- D) Temperature

Hint: p. 725

40. Which is not one of the types of autoclaving?

- A) Steam under pressure
- B) Wet gas
- C) Dry heat (320°F for one hour)
- D) Radiation

Hint: p. 725

41. _____ is the study of viruses.

- A) Virus logy
- B) Mycology
- C) Virology
- D) Virus study

Hint: p. 705

42. Which is not one of the chemical disinfectants used for soaking and wiping?

- A) Soap
- B) Alcohol
- C) Bicarbonate
- D) Chlorine

Hint: p. 724

43. Which disinfection method is used for a broad spectrum of microorganisms but has a corrosive effect?

- A) Alcohol
- B) Formaldehyde
- C) Glutaraldehyde
- D) Chlorine

Hint: p. 724

44. The second tier of infection control requires extra precautions in addition to the Standard Precautions and is known as transmission-based precautions. It includes all of the following categories, except _____ precautions.

- A) Touch
- B) Airborne
- C) Droplet
- D) Contact

Hint: p. 713

45. Which is not one of the four cardinal signs of inflammation?

- A) Cold
- B) Redness
- C) Swelling
- D) Pain

Hint: p. 709

46. Which natural barrier to infection plays a key preventive and protective role by producing antibodies?

- A) The skin
- B) The gastrointestinal tract
- C) The mucous membranes
- D) The lymphatic system

Hint: p. 710

47. _____ perform the function of phagocytosis.

- A) Neutrophils
- B) Monocytes
- C) Both A and B
- D) None of the above

Hint: p. 709

48. Which natural barrier to infection contains hydrochloric acid?

- A) Mucous membranes
- B) Respiratory tract
- C) Skin surfaces
- D) Gastrointestinal tract

Hint: p. 710

49. Which statement about MRSA is TRUE?

- A) It can be treated easily with antibiotics.
- B) It is one of the most common agents responsible for nosocomial infections.
- C) It occurs only in health care facilities.
- D) It can only be transmitted through saliva.

Hint: p. 709

50. An infection is classified as being caused by MRSA if it _____.

- A) Comes from bacteria found in the groin
- B) Grows in the presence of vancomycin
- C) Does not grow in the presence of methicillin
- D) Grows in the presence of methicillin

Hint: p. 709

51. What is a good way to avoid MRSA infection?

- A) Perform hand hygiene.
- B) Use an antiseptic cream and bandage to cover cuts.
- C) Wear gloves and other personal protective equipment.
- D) All of the above

Hint: p. 709

52. For which disease that can be airborne is the use of a special mask recommended?

- A) Tuberculosis
- B) Hepatitis
- C) MRSA
- D) HIV

Hint: p. 713

53. Which procedure should be practiced when disposing of infectious waste?

- A) Line the infectious waste container with a brown paper bag.
- B) Label glass that is being disposed of in an infectious waste bag.
- C) Ensure all liquid waste is already contained in a closable device or container before putting it into the infectious waste container.
- D) Recap needles and syringes before placing them in an infectious waste container.

Hint: p. 715

54. The first confirmed case of COVID-19 in the United States was on _____.

- A) January 21, 2021
- B) February 21, 2020
- C) January 1, 2020
- D) January 21, 2020

Hint: p. 730

55. When wearing more than one piece of personal protective equipment (PPE), which is removed last?

- A) Gown
- B) Gloves
- C) Goggles
- D) Mask

Hint: p. 719, 721