



CE Credit Package 11

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Drug Discovery, Development and Approval Process

- 1. The drug sildenafil citrate (Viagra®) was originally developed to treat ____.**
 - a. Angina
 - b. Erectile dysfunction
 - c. Hypertension
 - d. Glaucoma
- 2. A drug containing active molecules that have never been included in another new drug application is called ____.**
 - a. A new molecular entity
 - b. An original compound
 - c. A unique chemical compound
 - d. A prototype
- 3. Which is not a principal concept affecting drug interaction?**
 - a. Onset
 - b. Peak effect
 - c. Duration of action
 - d. Frequency of future doses
- 4. ____ studies encompass the entire process of the drug within the body.**
 - a. Toxicology
 - b. Pharmacokinetic
 - c. Post-clinical
 - d. Biotransformation
- 5. ____ studies determine the dosage and safety of the drug for human use.**
 - a. Toxicology
 - b. Pharmacokinetic
 - c. Post-clinical
 - d. Biotransformation
- 6. Toxicology studies are used to determine:**
 - a. Toxic, side and adverse effects
 - b. Reversal agents
 - c. Addictive properties
 - d. All of the above
- 7. ____ denotes a study when subjects and administrators are unaware of grouping status.**
 - a. Single blind
 - b. Double blind
 - c. Placebo
 - d. None of the above
- 8. A written plan of action that follows the scientific process is a ____.**
 - a. Theory
 - b. Hypothesis
 - c. Protocol
 - d. Trial
- 9. Examples of clinical safeguard trials include:**
 - a. Informed consent
 - b. Audits
 - c. Institutional review boards
 - d. All of the above
- 10. Human trials have ____ phases.**
 - a. 2
 - b. 3
 - c. 4
 - d. 5

Drug Discovery, Development and Approval Process- questions cont.

11. The ___ contains all information know about a new drug.
- New drug application (NDA)
 - Food and drug administration (FDA)
 - Center for drug evaluation and research (CDER)
 - Center for disease control (CDC)
12. A patent is valid for ___ years from the original date of application
- 10
 - 15
 - 20
 - 25
13. A ___ distinguishes the source of goods of one party from those of another.
- Phrase
 - Symbol
 - Design
 - Trademark
14. A new drug application is filed with the FDA at the end of ___.
- Phase 1
 - Phase 2
 - Phase 3
 - Phase 4
15. ___ is conducted on a small group of people (20-80).
- Phase 1
 - Phase 2
 - Phase 3
 - Phase 4
16. Determining effectiveness and identifying long-term risks are purposes of ___.
- Phase 1
 - Phase 2
 - Phase 3
 - Phase 4
17. The study design for ___ trials is usually a double blind, randomized control trial.
- Phase 1
 - Phase 2
 - Phase 3
 - Phase 4
18. Approximately how many clinical trials are currently underway worldwide?
- 50 – 55, 000
 - 55 – 60,000
 - 60 – 65,000
 - 65 – 70,000
19. One of the biggest legal challenges in clinical trials is ___.
- Luring qualified volunteers
 - Misrepresentation/fraud
 - Clarity of informed consent
 - FDA regulations and safeguards
20. Increasing legal threats may lead to a decline in ___.
- Quality of medical research
 - Willing volunteers
 - Clinical trials
 - Marketable drugs

Tonsillectomy and Adenoidectomy 101

- 1. Recurrent ear infections can be treated with the removal of the ____.**
 - a. Tonsillar fossa
 - b. Tonsillar capsule
 - c. Adenoids
 - d. All of the above
- 2. ____ decreases postoperative pain, quickens recovery and aids in fewer readmissions for complications.**
 - a. Intracapsular tonsillectomy
 - b. Extracapsular tonsillectomy
 - c. Supercapsular tonsillectomy
 - d. Electrocautery
- 3. The use of a laser affords the patient ____.**
 - a. Less postoperative pain
 - b. More rapid healing
 - c. Less blood loss
 - d. All of the above
- 4. ____ is a powered rotary shaving device with continuous suction.**
 - a. Plasma knife
 - b. Harmonic scalpel
 - c. Coblator
 - d. Microdebrider
- 5. ____ is a bipolar radiofrequency low-level energy device that transfers to sodium ions, creating a thin layer of plasma.**
 - a. Plasma knife
 - b. Harmonic scalpel
 - c. Coblator
 - d. Microdebrider
- 6. A ----- uses the high-frequency ultrasound vibration of a titanium blade to cut and coagulate tissue with minimal thermal tissue damage.**
 - a. Plasma knife
 - b. Harmonic scalpel
 - c. Coblator
 - d. Microdebrider
- 7. After adenoid removal, tonsil sponges should be soaked in saline prior to application to ____.**
 - a. Avoid the risk of airway fire
 - b. Avoid wound contamination
 - c. Promote hemostasis
 - d. Promote adhesion
- 8. Required elements for the surgeon during a tonsillectomy include ____.**
 - a. A rolling chair
 - b. A headlight
 - c. An electrosurgical unit
 - d. All of the above
- 9. ____ is required throughout the procedure to keep the surgical field visible.**
 - a. A headlight
 - b. A mouth gag
 - c. Suction
 - d. A tonsil sponge
- 10. Timing the length of suspension of the mouth gag prevents ____.**
 - a. Swelling of the tongue
 - b. Decreased blood flow to the tongue
 - c. Excessive postoperative jaw pain
 - d. All of the above

Advance Directives

- 1. The ____ requires that health care entities provide information concerning advanced directives.**
 - a. Patient Self-Determination Act of 1990
 - b. Patient's Bill of Rights
 - c. Limited power of attorney for health care
 - d. Durable power of attorney for health care
- 2. A/an ____ indicates that a proxy has been named to make health care decisions if the patient is unable to do so.**
 - a. Limited power of attorney for health care
 - b. Durable power of attorney for health care
 - c. Advance directive
 - d. Living will
- 3. A/an ____ dictates medical care if the patient is unable to make his/her wishes known.**
 - a. Limited power of attorney for health care
 - b. Durable power of attorney for health care
 - c. Advance directive
 - d. Living will
- 4. The patient Self-Determination Act of 1990 has ____ basic components.**
 - a. 1
 - b. 2
 - c. 3
 - d. 4
- 5. A/an ____ specifies the type of care that should be given or withheld if a patient is unable to communicate his/her wishes.**
 - a. Limited power of attorney for health care
 - b. Durable power of attorney for health care
 - c. Advance directive
 - d. Living will
- 6. The durable power of attorney for health care is sometimes also called a/an ____.**
 - a. Health care proxy
 - b. Medical power of attorney
 - c. a & b
 - d. None of the above
- 7. If the power of attorney has an expiration date, it is referred to as ____.**
 - a. Limited
 - b. Durable
 - c. Temporary
 - d. None of the above
- 8. A/an ____ is special advance directive that only applies to withholding CPR and ACLS in the event of cardiac or respiratory arrest.**
 - a. Living will
 - b. Medical power of attorney
 - c. Do not resuscitate
 - d. Health care proxy
- 9. If an original legal document is unavailable, a ____ can stand in its place.**
 - a. Notarized physician's note
 - b. Copy of the original document
 - c. Notarized attorney's note
 - d. Original must be obtained
- 10. A living will may contain provisions for:**
 - a. Pain management
 - b. Experimental treatment
 - c. Mechanical ventilation
 - d. All of the above

Ulnar Collateral Ligament Reconstruction

- 1. Ulnar collateral ligament (UCL) reconstruction surgery was pioneered by ____.**
 - a. Tommy John
 - b. Frank Jobe
 - c. David Altchek
 - d. James Andrews
- 2. The UCL is made up of ____ bands.**
 - a. 1
 - b. 2
 - c. 3
 - d. 4
- 3. Resection of both the UCL and the radial head can result in ____ of the elbow.**
 - a. Gross instability
 - b. Subluxation
 - c. Dislocation
 - d. All of the above
- 4. ____ stress on the elbow during a pitch can overcome the tensile strength of the UCL, causing it to tear.**
 - a. Valgus
 - b. Flexion
 - c. Extension
 - d. Acceleration
- 5. According to James Andrews, MD, the odds of partial UCL tears healing with non-surgical treatment is ____.**
 - a. 20%
 - b. 50%
 - c. 70%
 - d. 90%
- 6. ____ is an example of acceptable autograft tendon.**
 - a. Palmaris longus
 - b. Gracilis
 - c. Plantaris
 - d. All of the above
- 7. One advantage of allograft tendon is ____.**
 - a. Less likely to be rejected by the body
 - b. Takes less time to heal
 - c. More tissue is available to work with
 - d. All of the above
- 8. The modified docking procedure was developed by ____.**
 - a. Frank Jobe
 - b. David Altchek
 - c. James Andrews
 - d. E Lyle Cain
- 9. The docking technique features a higher rate of ____ than the traditional method.**
 - a. Postoperative nerve damage
 - b. Postoperative bone fracture
 - c. Postoperative return to competition
 - d. a & b
- 10. Holes for the bone tunnel are drilled above and below the tubercle using a ____.**
 - a. Small bur
 - b. 2.0 drill bit
 - c. 4.5mm drill bit
 - d. Curette

Ulnar Collateral Ligament Reconstruction – questions cont.

11. To approximate the tendon's normal location, it is checked in ____.
- Flexion
 - Extension
 - mild varus
 - a & b
12. The surgically-repaired arm is immobilized for ____ days postoperatively.
- 3-5
 - 5-10
 - 10-14
 - 14-21
13. External rotation of the shoulder is prohibited for ____.
- 10 – 14 days
 - Four weeks
 - Six weeks
 - Three months
14. The patient can resume a normal throwing routine at ____.
- 20 weeks
 - Six months
 - Nine months
 - One year
15. It is estimated that ____ percent of patients who undergo a second Tommy John procedure return to their pre-surgery level of play.
- 10
 - 20
 - 30
 - 40
16. In 2005, __ of the surgical patients in E Lyle Cain's study were high school athletes.
- 10 percent
 - 25 percent
 - 33 percent
 - 40 percent
17. The increased number of UCL reconstructions in minors can be attributed to ____.
- Overanxious parents
 - Player wanting to throw harder
 - Players seeking second opinions
 - The overuse of young arms
18. Correcting and improving mechanics, as well as strengthening shoulders and rotator cuff muscles can ____.
- Increase pitch velocity
 - Increase injury potential
 - Increase recovery time
 - Decrease recovery time
19. Tommy John surgery provides ____ increased ability over a healthy, natural ligament.
- No
 - Slightly
 - Moderately
 - Significantly
20. ____ is/are a contributing factor to overuse of young arms.
- Year-round baseball leagues
 - Throwing a greater number of pitches
 - Throwing more difficult pitches
 - All of the above

Obesity

- 1. A person's ideal weight is established by his or her ____.**
 - a. Height
 - b. Sex
 - c. Build
 - d. All of the above
- 2. ____ occurs when excess body fat accumulates to such levels that it affects a person's health.**
 - a. Obesity
 - b. Hypertension
 - c. Heart disease
 - d. None of the above
- 3. According to the CDC, ____ is the number one health threat in America.**
 - a. Obesity
 - b. Smoking
 - c. Heart Disease
 - d. Cancer
- 4. ____ is not a cause of obesity.**
 - a. Poor eating habits
 - b. Lack of exercise
 - c. High leptin levels
 - d. A sedentary lifestyle
- 5. According to Cynthia Ogden's study, __ percent of American adults are obese.**
 - a. 65
 - b. 59
 - c. 31
 - d. 15
- 6. Medical conditions facing obese people include:**
 - a. Hypertension
 - b. Diabetes
 - c. Cardiac failure
 - d. All of the above
- 7. More than 80 percent of overweight people have ____.**
 - a. Heart disease
 - b. Type 2 diabetes
 - c. High levels of HDL cholesterol
 - d. All of the above
- 8. The state of ____ successfully banned junk food from being sold in its public school system.**
 - a. Texas
 - b. Colorado
 - c. Virginia
 - d. New York
- 9. The diet with the highest success rate is ____.**
 - a. Low in carbohydrates
 - b. Low in calories
 - c. Low in protein
 - d. Low in fat
- 10. Surgery is recommended for patients with ____.**
 - a. A BMI of 40
 - b. A BMI of 25-39.9 with serious obesity related conditions
 - c. Aversion to exercise
 - d. a&b

Obesity – questions cont.

11. ___ involves the injection of fat-melting drugs.
- Liposuction
 - Mesotherapy
 - Restrictive bariatric surgery
 - Vertical banded gastroplasty
12. ___ removes fat deposits from under the skin by using a cannula attached to a vacuum.
- Liposuction
 - Mesotherapy
 - Restrictive bariatric surgery
 - Vertical banded gastroplasty
13. ___ was developed in the 1970s as a safer alternative to Roux-en-Y gastric bypass.
- Liposuction
 - Mesotherapy
 - Restrictive bariatric surgery
 - Vertical banded gastroplasty
14. ___ is the most common weight loss procedure today.
- Roux-en-Y gastric bypass
 - Biliopancreatic diversion
 - Gastric banding
 - None of the above
15. On average, ___ leads to a loss of 40 percent of excess weight.
- Roux-en- Y gastric bypass
 - Biliopancreatic division
 - Gastric banding
 - None of the above
16. ___ is considered the safest and least invasive weight loss surgery.
- Roux-en-Y gastric bypass
 - Biliopancreatic division
 - Gastric banding
 - Vertical banded gastroplasty
17. In ___, a reduced stomach is created and digestive juices are diverted to the small intestine.
- Roux-en-Y gastric bypass
 - Biliopancreatic division
 - Gastric banding
 - None of the above
18. About ___ percent of those who undergo vertical banded gastroplasty achieve normal weight, and about ___ percent achieve some degree of weight loss.
- 30, 80
 - 30, 50
 - 50, 30
 - 50, 80
19. ___ percentage of Americans are overweight or obese.
- 53
 - 47
 - 64
 - 35
20. Diabetes is projected to increase by ___ percent in the next 50 years.
- 100
 - 125
 - 145
 - 165

Wound Management

- 1. Failure of a wound to heal can result in ____.**
 - a. Additional surgical procedures
 - b. Longer hospital stays
 - c. Long-term disability
 - d. All of the above
- 2. A full thickness surgical incision will be repaired by ____.**
 - a. Primary intention
 - b. Secondary intention
 - c. Polyglactin suture
 - d. Adhesive strips
- 3. Regeneration and repair of a pressure ulcer is an example of ____.**
 - a. Primary intention
 - b. Secondary intention
 - c. Granulation
 - d. Epithelialization
- 4. The proliferation phase of healing includes ____.**
 - a. Inflammation
 - b. Granulation
 - c. Contraction
 - d. b & c
- 5. The cessation of bleeding following an injury is ____.**
 - a. Contraction
 - b. Proliferation
 - c. Hemostasis
 - d. Maturation
- 6. ____ is classified as the early inflammatory stage of wound healing.**
 - a. Contraction
 - b. Proliferation
 - c. Hemostasis
 - d. Maturation
- 7. ____ may be regarded as the first line of defense against infection at the wound site.**
 - a. Neutrophil leucocytes
 - b. Basophils
 - c. Eosinophils
 - d. Monocytes
- 8. The class of compounds known as ____ are vital for cell-to-cell and tissue adhesion.**
 - a. Fibroblasts
 - b. Proteoglycans
 - c. Electrolytes
 - d. Glycoproteins
- 9. By keeping a wound moist, ____.**
 - a. Infection is more likely
 - b. Healing time is prolonged
 - c. Healing rates increase
 - d. Scarring is increased
- 10. Spillage of bile during a cholecystectomy is classified as a ____ wound.**
 - a. Clean
 - b. Clean/Contaminated
 - c. Contaminated
 - d. Dirty/Infected

Wound Management – questions cont.

11. One intrinsic factor affecting wound healing is

_____.

- a. Wound perfusion
- b. Radiotherapy
- c. Medication
- d. Wound infection

12. One extrinsic factor affecting wound healing is ___.

- a. Disease
- b. Age
- c. Oxygen tension
- d. Radiotherapy

13. Surgical patients should eat within ___ of surgery for optimal clinical outcome.

- a. 6
- b. 12
- c. 24
- d. 48

14. ___ is a critical nutrient in optimizing the tensile strength of new tissue.

- a. Carbohydrate
- b. Protein
- c. Fat
- d. Vitamin A

15. ___ is a critical nutrient for collagen synthesis.

- a. Vitamin A
- b. Vitamin E
- c. Vitamin B
- d. Vitamin K

16. ___ is another critical nutrient for collagen synthesis.

- a. Iron
- b. Zinc
- c. Vitamin C
- d. All of the above

17. Attributes of a surgical dressing include the ability to ___.

- a. Enable gaseous exchange
- b. Maintain a dry environment
- c. Compress the wound
- d. Adhere to the skin

18. Low-cost, transparent adhesive film dressings are ideal for ___.

- a. Infected wounds
- b. Straight forward surgical wounds
- c. Acute surgical wounds
- d. Nonsurgical wounds

19. Factors to consider when selecting a wound dressing include ___.

- a. Level of exudates
- b. Depth of the wound
- c. Cost
- d. All of the above

20. A mild to moderate amount of exudate requires a ___ dressing.

- a. Alginate
- b. Simple adhesive film
- c. Hydrocolloid dressing
- d. Adhesive film/foam

HIPAA Compliance

1. The two main goals of the HIPAA program are ___ and ____.
 - a. Privacy/accessibility
 - b. Portability/confidentiality
 - c. Portability/accountability
 - d. Privacy/accountability

2. Which is an example of health organization that is required to follow HIPAA privacy rules?
 - a. Health plans
 - b. Health care providers
 - c. Health care clearing houses
 - d. All of the above

3. Information that is created or maintained by a HIPAA-covered entity in any form is _____.
 - a. Medical records
 - b. Protected health information
 - c. Public domain
 - d. Available only to immediate family

4. Prior to interaction with a patient, the ___ must be given to the patient and a signed receipt must be verified.
 - a. Notice of privacy practices
 - b. Liability waiver
 - c. A & B
 - d. None of the above

5. The notice of privacy practices can be supplied via _____.
 - a. Written brochures
 - b. Posted information in the reception area
 - c. The entity's web site
 - d. All of the above

6. Written or printed information does not include _____.
 - a. Charts
 - b. Faxes
 - c. Emails
 - d. None of the above

7. Messages concerning appointments and lab results should only be left on an answering machine if _____.
 - a. The patient is not home
 - b. The patient has given consent
 - c. The information is time sensitive
 - d. Information should never be left on an answering machine

8. The most severe consequences for a HIPAA violation include _____.
 - a. A fine of \$100 per incident
 - b. \$25,000
 - c. 10 years in prison
 - d. All of the above

9. A notice of privacy should _____.
 - a. Explain the legal duties of the covered entity
 - b. Explain patient's rights and responsibilities
 - c. Disclose how information is used, stored and protected
 - d. All of the above

10. A business associate agreement includes _____.
 - a. A list of consequences for noncompliance
 - b. An advance directive
 - c. An appointed trustee
 - d. All of the above

Maslow's Hierarchy of Needs

- 1. Maslow developed the concept for the hierarchy of needs by observing ____.**
 - a. Kurt Goldstein
 - b. His students
 - c. Monkeys
 - d. Infants
- 2. Based on observed reactions, the most important need in monkeys is ____.**
 - a. Water
 - b. Food
 - c. Play
 - d. None of the above
- 3. The ____ level of the pyramid addresses the need of being.**
 - a. Safety needs
 - b. Self-actualization
 - c. Esteem needs
 - d. Physiological needs
- 4. ____ needs make up the four lower components of Maslow's pyramid.**
 - a. Deficit
 - b. Being
 - c. Safety
 - d. Esteem
- 5. Drawing conclusions about spirituality is an example of ____ needs.**
 - a. Deficit
 - b. Being
 - c. Safety
 - d. Esteem
- 6. Needs that must occur for the body to survive are ____ needs.**
 - a. Safety
 - b. Esteem
 - c. Belongingness
 - d. Physiological
- 7. The body regulates itself by ____.**
 - a. Controlling its temperature
 - b. Counterbalancing hormones
 - c. Homeostasis
 - d. All of the above
- 8. Fear can prevent an individual from fulfilling ____ needs.**
 - a. Esteem
 - b. Belongingness
 - c. Safety
 - d. Physiological
- 9. Belongingness needs can be influenced by ____.**
 - a. Socially-accepted behaviors
 - b. Education levels
 - c. Economic status
 - d. All of the above
- 10. According to Maslow, a child who grows up in an affluent neighborhood is ____ likely to join a gang.**
 - a. More
 - b. Less
 - c. Just as
 - d. Cannot determine

Maslow's Hierarchy of Needs – questions cont.

11. The highest platform in the category of deficit needs is ____.
- Physiological
 - Belongingness
 - Esteem
 - Safety
12. Self-esteem begins to manifest at ____.
- Age 2
 - Age 5
 - Age 12
 - Birth
13. The lower form of self-esteem is characterized by ____.
- A need to be respected by others
 - A low opinion of oneself
 - Confidence in one's abilities
 - Inferiority complexes
14. The higher form of self-esteem is characterized by ____.
- A need to be respected by others
 - A low opinion of oneself
 - Confidence in one's abilities
 - None of the above
15. Low self-esteem is characterized by ____.
- Constantly seeking validation/acceptance
 - Lack of self-respect
 - Unrealistic expectations for oneself
 - All of the above
16. "The single component of being" describes ____.
- High self-esteem
 - Self-actualization
 - Social acceptance
 - Maslow's Hierarchy of Needs
17. Fluctuation within Maslow's hierarchy is ____.
- Common
 - Probable
 - Constant
 - All of the above
18. The process of self-actualization can include ____.
- Defining oneself spiritually
 - Focusing on resolving deficits
 - Rejecting unfavorable aspects of one's life
 - a & b
19. Self-actualization is limited to ____.
- Dignitaries
 - Everyone
 - Scientists
 - Explorers
20. Maslow's Hierarchy of Needs is especially relevant in the ____ field.
- Medical
 - Educational
 - Self-help
 - All of the above

Endoscopic Thoracic Sympathectomy

- ETS was initially developed to treat ____.
 - Goiter
 - Glaucoma
 - Epilepsy
 - All of the above
- The ____ is responsible for controlling involuntary bodily functions.
 - Autonomic nervous system
 - Central nervous system
 - Regulatory system
 - Homeostatic effect
- The ____ system slows down a function.
 - Homeostatic
 - Sympathetic
 - Parasympathetic
 - Autonomic
- The “fight or flight” response is triggered by the ____ system.
 - Homeostatic
 - Sympathetic
 - Parasympathetic
 - Autonomic
- The ____ are destroyed during the ETS procedure.
 - Sympathetic trunk
 - Sympathetic ganglia
 - Spinal nerves
 - None of the above
- ETS is a treatment for ____.
 - Hyperhidrosis
 - Epilepsy
 - Irregular heartbeat
 - All of the above
- Treatment options for idiopathic craniofacial erythema include ____.
 - Endoscopic thoracic sympathectomy
 - Valium
 - Cognitive behavioral therapy
 - All of the above
- ____ is a vascular disorder that affects blood flow to extremities in cold conditions.
 - Erythromelalgia
 - Raynaud’s Syndrome
 - Complex regional pain syndrome
 - Hypoxia
- Raynaud’s Syndrome can result in ____.
 - Gangrene
 - Skin ulcers
 - Skin atrophy
 - All of the above
- Thermography and radiography are two methods of detecting ____.
 - Erythromelalgia
 - Raynaud’s Syndrome
 - Complex regional pain syndrome
 - hypoxia

Endoscopic Thoracic Sympathectomy – questions cont.

11. **Clamping the nerves allows for ____.**
- Irreversible procedure
 - Temporary relief
 - Improved functionality
 - Easier reversal process
12. **A ____ is not used in the ETS procedure.**
- Harmonic scalpel
 - Hemostat
 - Video tower
 - Fiber-optic light source
13. **Complications associated with ETS sometimes include ____.**
- Respiratory problems
 - Compensatory sweating
 - Horner's Syndrome
 - All of the above
14. **Disfiguring asymmetry of the face can indicate ____.**
- Raynaud's Syndrome
 - Horner's Syndrome
 - Erythromelalgia
 - Complex regional pain syndrome
15. **A reversal of the ETS procedure is possible by ____.**
- Performing a nerve graft
 - Removing the clip from the nerve
 - A or B, depending on the surgeon's method
 - The ETS procedure is not reversible
16. **Erythromelalgia cannot be described as ____.**
- Idiopathic
 - A rare disease
 - A curable disease
 - A & B
17. **____ can trigger an EM flare-up**
- Heat
 - Physical activity
 - Anger
 - A & B
18. **EM can develop due to ____.**
- Psychological disorders
 - Neurologic or blood disorders
 - Physical contact with a carrier
 - A & B
19. **____ do not blush in social situations.**
- Babies
 - Cognitive-behavioral therapy patients
 - ETS recipients
 - Everyone blushes
20. **Cognitive-behavioral therapy can include ____.**
- Rational emotive behavior therapy
 - Dialectic behavior therapy
 - Cognitive therapy
 - All of the above

Radical Mastectomy and Reconstruction

- Breasts consist generally of ____.**
 - Secretory glands
 - Subcuticular fat
 - Overlying skin
 - All of the above
- ____ are modified sweat glands.**
 - Breasts
 - Mammary glands
 - Nipples
 - Superficial fascia
- ____ compose the suspensory ligaments of the breasts.**
 - Connective tissue stroma
 - Individual ductal and lobule systems
 - Dermal tissues of the breast
 - None of the above
- The lateral arterial blood supply to the breast does not include the ____.**
 - Fourth intercostal artery
 - Thoracoacromial artery
 - Lateral thoracic artery
 - Superior thoracic axillary artery
- Nearly ____ percent of lymphatic drainage of the breast drains laterally and superiorly to the axillary lymph nodes.**
 - 65
 - 70
 - 75
 - 80
- The ____ are the primary region to sample for cancer metastasis into the lymphatic system.**
 - Parasternal lymph nodes
 - Axillary lymph nodes
 - Lymphatic vessels
 - Intercostal veins
- The mammary glands are completely functional at ____.**
 - Puberty
 - The end of pregnancy
 - Birth
 - Conception
- hP1 is a hormone given off by the ____.**
 - Placenta
 - Pituitary gland
 - Secretory glands
 - None of the above
- ____ is the leading cause of death in women age 40-44.**
 - Heart disease
 - Lung cancer
 - Breast cancer
 - None of the above
- The risk of developing breast cancer is related to ____.**
 - Age when first child is born
 - Genetic factors
 - Family history
 - All of the above

Radical Mastectomy and Reconstruction – questions cont.

11. ___ stimulates the secretory cells for lactation.
- Placental lactogen
 - Prolactin
 - Oxytocin
 - B & C
12. Breast cancers account for __ percent of all cancers in women and __ percent of cancer deaths.
- 30, 16
 - 43, 30
 - 16, 30
 - 43, 16
13. ___ provides a standardized way for physicians to determine information about a cancer's metastasis.
- Staging
 - Mammogram
 - Lumpectomy
 - None of the above
14. The most common staging system is the ___.
- Mammogram
 - Lumpectomy
 - Tumor Nodal Metastasis
 - None of the above
15. Pathological staging includes the results of a ___.
- Mammogram
 - Lumpectomy
 - Tumor Nodal Metastasis
 - All of the above
16. Patients have many treatment options, including ___.
- Radiation therapy
 - Chemotherapy
 - Hormonal therapy
 - All of the above
17. In TNM classification, the number following a T indicates ___.
- Size of the tumor
 - If the cancer has metastasized
 - If the cancer has spread to the lymph nodes
 - All of the above
18. ___ is considered a "breast conserving surgery".
- Mastectomy
 - Breast reconstruction
 - Needle localization and wide excision
 - B & C
19. In a ___, the surgeon removes a small volume of breast tissue.
- Mastectomy
 - Breast reconstruction
 - Lumpectomy
 - B & C
20. Removal of one or both breasts in a male or female patient is a ___.
- Mastectomy
 - Breast reconstruction
 - Lumpectomy
 - Needle localization and wide excision

Radical Mastectomy and Reconstruction – questions cont.

21. An example of a minimally – invasive procedure is a ____.
- Simple mastectomy
 - Skin-sparing mastectomy
 - Halstead mastectomy
 - A & B
22. Methylene blue is used during a mastectomy to ____.
- Sterilize the surgical site
 - Provide local anesthetic
 - Outline the sentinel node
 - None of the above
23. The complete removal of the entire breast tissue is a ____.
- Simple mastectomy
 - Radical mastectomy
 - Modified radical mastectomy
 - Halstead mastectomy
24. A/an ____ is used to separate the breast tissue from the skin.
- Electrosurgical pencil
 - #15 blade
 - Harmonic scalpel
 - None of these above
25. In a TRAM flap reconstruction, the surgeon reconstructs the breasts with ____.
- Warm saline
 - Autologous fat
 - AlloDerm®
 - Artificial fillers
26. Axillary components and the pectoralis muscles are removed in a ____.
- Simple mastectomy
 - Radical mastectomy
 - Modified radical mastectomy
 - Bilateral mastectomy
27. To prevent cancer seeding, the wound is ____.
- Cauterized
 - Closed with absorbable suture
 - Irrigated with sterile water
 - All of the above
28. Complications of a mastectomy include ____.
- Infection
 - Disfigurement
 - Cancer metastasis
 - All of the above
29. In a modified radical mastectomy, ____ are removed.
- Only axillary components
 - Axillary components & pectoralis muscles
 - Both breasts, in their entirety
 - Only suspicious lumps
30. Specimens from mastectomy patients are examined ____ by the pathology department.
- Prior to scheduling surgery
 - Intraoperatively
 - Postoperatively
 - At follow-up appointments

In-Office Autologous Fat Grafting

- 1. Plastic Surgery most often addresses which of Maslow's needs?**
 - a. Physiological
 - b. Safety
 - c. Love and belonging
 - d. Prestige and esteem
- 2. The most common facial locations for autologous fat grafting include ____.**
 - a. Nasolabial folds
 - b. Chin
 - c. Marionette grooves
 - d. All of the above
- 3. Which of the following does not describe an autologous fat graft?**
 - a. Safe
 - b. Permanent
 - c. Temporary
 - d. Reversible
- 4. The ultimate goal of cosmetic surgery is ____.**
 - a. Help the patient achieve a positive self-evaluation
 - b. Fix the patient's physical short-comings
 - c. Create a new image for the patient
 - d. Reverse the affects of aging
- 5. Patients who have undergone ____ are not good candidates for autologous fat grafting.**
 - a. Oral surgery
 - b. Organ transplant surgery
 - c. Abdominal surgery
 - d. All of the above
- 6. The choice of anesthetic for cosmetic procedures depends on ____.**
 - a. The patient's health
 - b. The number of procedures being performed
 - c. The patient's current medications
 - d. All of above
- 7. In a fat grafting procedure, the ____ are filled first.**
 - a. Nasolabial folds
 - b. Cheeks
 - c. Jaw line
 - d. None of the above
- 8. Nose reconstructions are believed to have been performed as early as ____.**
 - a. 2,000 BCE
 - b. 600 BCE
 - c. 1880
 - d. The Middle Ages
- 9. Who is the considered the father of plastic surgery?**
 - a. Pierre Joseph Desault
 - b. Karl Ferdinand von Gräefe
 - c. Johann Friedrich Dieffenbach
 - d. Sir Harold Gillies
- 10. Most cosmetic surgery cases are performed under ____.**
 - a. Local anesthetic
 - b. IV with sedation
 - c. General anesthesia
 - d. Acetaminophen

In-office Autologous Fat Grafting – questions cont.

11. Alternative option for facial augmentation include ____.
- Botox
 - Chemical peels
 - Injectable fillers
 - All of the above
12. The term “plastic” is derived from a/an ____ word.
- Indian
 - Greek
 - Latin
 - Sanskrit
13. For facial procedures, the patient is put in the ____ position.
- Trendelenburg
 - Supine
 - Reverse Trendelenburg
 - Fowler’s
14. Who was a leading pioneer in skin grafts and sex-reassignment surgery?
- Gasparo Tagliacozzi
 - Karl Ferdinand von Gräefe
 - Johann Friedrich Dieffenbach
 - Sir Harold Gillies
15. After the fat is harvested, the next step is to ____.
- Inject the donor fat into the specified areas
 - Place the syringes in a centrifuge
 - Apply a cold compress to the surgical site
 - Cleanse the injection site
16. Cosmetic surgery became popular during the Renaissance due to ____.
- Syphilis
 - Nose amputation as punishment
 - Social pressures
 - All of the above
17. The oldest association for aesthetic surgery in the United States is the ____.
- American Academy of Facial Plastic and Reconstructive Surgery
 - American Association of Plastic Surgeons
 - American Association of Oral Surgeons
 - American Board of Plastic Surgery
18. The term “plastic surgery” was coined by ____.
- Pierre Joseph Desault
 - Karl Ferdinand von Gräefe
 - Johann Friedrich Dieffenbach
 - Sir Harold Gillies
19. From 1997 and 2007, the number of cosmetic procedures in the United States increased ____.
- 162 percent
 - 233 percent
 - 92 percent
 - 80 percent
20. The father of modern plastic surgery is ____.
- Pierre Joseph Desault
 - Karl Ferdinand von Gräefe
 - Johann Friedrich Dieffenbach
 - Sir Harold Gillies

Infection in Orthopedic Surgical Procedures

- The most common microorganism causing orthopedic surgical-site infections is ____.**
 - Staphylococcus*
 - Acinetobacter*
 - Klebsiella*
 - Aspergillus*
- ____ thrives on plastic, including orthopedic prostheses.**
 - Staphylococcus epidermidis*
 - Staphylococcus aureus*
 - MRSA
 - All of the above
- The reservoir for *Staphylococcus* is the ____.**
 - Peritoneal areas of the body
 - Nose
 - Skin
 - All of the above
- Standard Precautions should be used with ____ patients.**
 - High-risk
 - All
 - Symptomatic
 - Open-wound bearing
- Hospital-acquired infections cost hospitals between ____ annually.**
 - \$150-200 million
 - \$1.5 – 2 billion
 - \$3.5 – 5.7 billion
 - \$6.7 – 9.5 billion
- Vasoconstriction in surgical patients can be caused by ____.**
 - Smoking
 - Diabetes
 - Intraoperative core hypothermia
 - All of the above
- ____ is the cause of the majority of SSI.**
 - Staphylococcus epidermidis*
 - Staphylococcus aureus*
 - MRSA
 - B & C
- ____ represents a break in the sterile field.**
 - Touching a nonsterile area with sterile gown or gloves
 - Touching surgical instruments with bare skin
 - Not properly wearing a surgical mask over the nose
 - All of the above
- OPIM stands for ____.**
 - Other Potentially Influential Material
 - Often Problematic Infectious Material
 - Other Potentially Infectious Material
 - Open Portal Infection Method
- ____ are options to improve decontamination of O.R. keyboards.**
 - Autoclavable keyboards
 - Plastic keyboard covers
 - Disinfectant solution
 - A & B

Infection in Orthopedic Surgical Procedures - questions cont.

11. Environmental controls in the O.R. include ____.
 - a. Temperature
 - b. Humidity
 - c. Air flow
 - d. All of the above

12. A patient with a/an ____ should be scheduled at the end of the day.
 - a. Joint-replacement procedure
 - b. Pre-existing infection
 - c. Open wound
 - d. A & B

13. ____ is the most effective form of infection control in the hospital setting.
 - a. Hand washing
 - b. Sterile PPE
 - c. Proper sterile attire
 - d. None of the above

14. The ANSI/AAMI Guide to Steam Sterilization and Sterility states that implants should ____.
 - a. Come to the hospital sterile from the manufacturer
 - b. Be reprocessed on a case-by-case basis
 - c. Not be flash sterilized
 - d. All of the above

15. The temperature in the O.R. should be maintained between ____.
 - a. 68° - 75° F
 - b. 65° - 72° F
 - c. 60° - 68° F
 - d. Depends on the procedure

16. Disinfectants used in the O.R. must be ____.
 - a. Antiviral
 - b. Antifungal
 - c. Tuberculocidal
 - d. All of the above

17. Surgical incisions, traumatic wounds and pin sites are considered ____.
 - a. Reservoirs
 - b. Portals of Exit
 - c. Portals of Entry
 - d. Contributing factors of Susceptibility

18. An instrument can be sterilized in glutaraldehyde if immersed for ____.
 - a. 10 hours
 - b. 20 minutes
 - c. 6 hours
 - d. Items cannot be sterilized with glutaraldehyde

19. The humidity level in the O.R. should be maintained at ____.
 - a. 30 – 60 percent
 - b. 25-50 percent
 - c. 10-25 percent
 - d. Depends on the procedure

20. Antimicrobial prophylaxis refers to ____.
 - a. Hand washing
 - b. Sterile technique
 - c. Preoperative antibiotics
 - d. All of the above

Answers CE CREDIT PKG 11: 22 CONTINUING EDUCATION CREDITS

Certified Member

AST Member No: _____

Name: _____

Certification No: _____

Address: _____ City: _____ State: _____ Zip: _____

Telephone: _____ Email: _____

CE Credit PKG 11: 22 CONTINUING EDUCATION CREDITS

The fee is \$37. This package is only available to AST & ASA members.

Check Enclosed Yes, I want to pay by Credit Card: Visa MasterCard AmEx

Card# _____ Expiration Date _____ Signature _____

Drug Discovery, Development and Approval Process

a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d				
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

Mark one box next to each number. Only one correct or best answer will be selected for each question.

Tonsillectomy and Adenoidectomy 101

a	b	c	d	a	b	c	d		
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

Mark one box next to each number. Only one correct or best answer will be selected for each question.

Advanced Directives

a	b	c	d	a	b	c	d		
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

Mark one box next to each number. Only one correct or best answer will be selected for each question.

Ulnar Collateral Ligament Reconstruction

a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13.	<input type="checkbox"/>				
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14.	<input type="checkbox"/>				
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15.	<input type="checkbox"/>				
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16.	<input type="checkbox"/>				
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17.	<input type="checkbox"/>				
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18.	<input type="checkbox"/>				
Mark one box next to each number. Only one correct or best answer will be selected for each question.															

Obesity

a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13.	<input type="checkbox"/>				
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14.	<input type="checkbox"/>				
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15.	<input type="checkbox"/>				
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16.	<input type="checkbox"/>				
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17.	<input type="checkbox"/>				
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18.	<input type="checkbox"/>				
Mark one box next to each number. Only one correct or best answer will be selected for each question.															

Wound Management

a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13.	<input type="checkbox"/>				
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14.	<input type="checkbox"/>				
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15.	<input type="checkbox"/>				
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16.	<input type="checkbox"/>				
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17.	<input type="checkbox"/>				
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18.	<input type="checkbox"/>				
Mark one box next to each number. Only one correct or best answer will be selected for each question.															

HIPAA Compliance

a	b	c	d	a	b	c	d		
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
Mark one box next to each number. Only one correct or best answer will be selected for each question.									

Maslow's Hierarchy of Needs

a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13.	<input type="checkbox"/>				
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14.	<input type="checkbox"/>				
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15.	<input type="checkbox"/>				
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16.	<input type="checkbox"/>				
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17.	<input type="checkbox"/>				
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18.	<input type="checkbox"/>				
Mark one box next to each number. Only one correct or best answer will be selected for each question.															

Endoscopic Thoracic Sympathectomy

a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d				
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

Mark one box next to each number. Only one correct or best answer will be selected for each question.

Radical Mastectomy and Reconstruction

a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d					
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	25.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	26.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	21.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	27.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	22.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	28.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	23.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	29.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	24.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	30.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Mark one box next to each number. Only one correct or best answer will be selected for each question.

In-office Autologous Fat Grafting

a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d				
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

Mark one box next to each number. Only one correct or best answer will be selected for each question.

Infection in Orthopedic Surgical Procedures

a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d				
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

Mark one box next to each number. Only one correct or best answer will be selected for each question.

