

Vendor: USMLE

Exam Code: USMLE

Exam Name: United States Medical Licensing
Examination

Version: Demo

Question: 1

Which of the following is not one of the key steps in the grief process?

- A. Denial
- B. Anger
- C. Bargaining
- D. Rejection

Answer: D

Question: 2

Which of the following matches the definition: covering up a weakness by stressing a desirable or stronger trait?

- A. Compensation
- B. Projection
- C. Rationalization
- D. Dysphoria

Answer: A

Question: 3

Which of the following waveforms is most commonly found with light sleepers?

- A. Theta
- B. Alpha
- C. Beta
- D. Zeta

Answer: A

Question: 4

Which of the following months matches with an infant first having the ability to sit-up independently?

- A. 4 months
- B. 6 months
- C. 8 months
- D. 10 months

Answer: B

Question: 5

Object permanence for toddlers develops in this age range?

- A. 5-10 months
- B. 10-14 months
- C. 12-24 months
- D. 15-24 months

Answer: C

Question: 6

Which of the following matches the definition: attributing of our own unwanted trait onto another person?

- A. Compensation
- B. Projection
- C. Rationalization
- D. Dysphoria

Answer: B

Question: 7

Which of the following matches the definition: the justification of behaviors using reason other than the real reason?

- A. Compensation
- B. Projection
- C. Rationalization
- D. Dysphoria

Answer: C

Question: 8

Which of the following matches the definition: response to severe emotion stress resulting in involuntary disturbance of physical functions?

- A. Conversion disorder
- B. Depressive reaction
- C. Bipolar disorder
- D. Alzheimer's disease

Answer: A

Question: 9

Which of the following waveforms is most commonly found when you are awake?

- A. Theta
- B. Alpha
- C. Beta
- D. Zeta

Answer: C

Question: 10

The REM sleep cycle occur approximately every ____ minutes?

- A. 45
- B. 60
- C. 75
- D. 90

Answer: D

Question: 11

Which of the following reflexes is not found at birth?

- A. Babinski
- B. Palmar
- C. Moro
- D. Flexion

Answer: D

Question: 12

Parallel play for toddlers develops in this age range?

- A. 5-10 months
- B. 10-14 months
- C. 12-24 months
- D. 24-48 months

Answer: D

Question: 13

Which of the following is not a sign of anxiety?

- A. Dyspnea
- B. Hyperventilation
- C. Moist mouth
- D. GI symptoms

Answer: C

Question: 14

Which of the following best describes a person that is completely awake falling asleep spontaneously?

- A. Cataplexy
- B. Narcolepsy
- C. Transitional sleep
- D. REM absence

Answer: A

Question: 15

Which of the following best describes a person that is unable to tell you were there hand or foot is?

- A. Autotopagnosia
- B. Cataplexy
- C. Ergophobia
- D. Anosognosia

Answer: A

Question: 16

Which of the following is not a characteristic of a panic disorder?

- A. Nausea
- B. Excessive perspiration
- C. Urination
- D. Chest pain

Answer: C

Question: 17

Which of the following categories would a 70 year old adult be placed in?

- A. Intimacy vs. Isolation
- B. Generativity vs. Stagnation
- C. Integrity vs. Despair
- D. Longevity vs. Guilt

Answer: C

Question: 18

Which of the following categories would a 60 year old adult be placed in?

- A. Intimacy vs. Isolation
- B. Generativity vs. Stagnation
- C. Integrity vs. Despair
- D. Longevity vs. Guilt

Answer: B

Question: 19

Which of the following categories would a 20 year old adult be placed in?

- A. Intimacy vs. Isolation
- B. Generativity vs. Stagnation
- C. Integrity vs. Despair
- D. Longevity vs. Guilt

Answer: A

Question: 20

Which of the following describes a person using words that have no known meaning?

- A. Neologisms
- B. Neolithic
- C. Verbalism
- D. Delusional blocking

Answer: A

Question: 21

Which of the following is the mRNA start codon in most cases?

- A. UAA
- B. AGU
- C. AUG
- D. UGA

Answer: C

Question: 22

Which of the types of RNA is the smallest?

- A. mRNA
- B. tRNA
- C. rRNA

Answer: B

Question: 23

Which of the following is not considered a pyrimidine?

- A. C
- B. T
- C. U
- D. G

Answer: D

Question: 24

Which of the following is paired correctly?

- A. A-G
- B. C-G
- C. A-U
- D. G-T

Answer: B

Question: 25

Which of the following characterizes a Western blot?

- A. Antibody/protein hybridization
- B. DNA/RNA combination
- C. RNA transcription
- D. Polymerase chain reaction

Answer: A

Question: 26

Which of the following is the approximate prevalence ratio for cystic fibrosis?

- A. 1: 25,000
- B. 1: 5,000
- C. 1: 2,000
- D. 1: 800

Answer: C

Question: 27

Which of the following divisions of cell growth precedes Mitosis in the cell cycle?

- A. G
- B. G
- C. S
- D. G0

Answer: A

Question: 28

Down syndrome is directly linked to a genetic abnormality of chromosome?

- A. XXII
- B. XXI
- C. XIIX
- D. XV

Answer: B

Question: 29

Which of the following is a characteristic of the Hardy-Weinberg law?

- A. Mating between species occurs at a set rate.
- B. Migration is a considerable factor.
- C. Mutation occurs at the locus
- D. Genotype selection does not occur at the locus

Answer: D

Question: 30

Which of the following is not a characteristic of Hurler's syndrome?

- A. Autosomal recessive condition
- B. Associated with delayed mental development
- C. Spasticity
- D. Corneal deficits

Answer: C

Question: 31

Which of the following is not a characteristic of Krabbe's disease?

- A. Autosomal recessive condition
- B. Spasticity
- C. Nausea
- D. Optic nerve deficits

Answer: C

Question: 32.

Which of the following is not a characteristic of Fabry's disease?

- A. X-linked disease
- B. Low levels of alpha-galactosidase A
- C. Profound muscular weakness
- D. Increased levels of ceramide trihexoside

Answer: C

Question: 33.

Which of the following is not a characteristic of Sickle Cell Anemia?

- A. More common in African Americans
- B. Autosomal dominant
- C. Mutation in beta-globin
- D. Intense chronic pain

Answer: B

Question: 34

Which of the following is not a characteristic of the Southern blot?

- A. DNA hybridization
- B. Use of a filter and film combination
- C. Activated by antigen/antibody reactions
- D. Uses a DNA sample

Answer: C

Question: 35

Which of the following is not a characteristic of S-adenosyl-methionine?

- A. May be associated phosphocreatine
- B. Considered a rate limiting enzyme of glycolysis
- C. Aids in the transfer of methyl
- D. Byproduct of Methionine and ATP combination

Answer: B

Question: 36

Which of the following is not an activated carrier?

- A. ATP
- B. SAM
- C. TPP
- D. GMP

Answer: D

Question: 37

The end product of the TCA cycle produces ____ NADH.

- A. 3
- B. 4
- C. 5
- D. 6

Answer: A

Question: 38

How many ATP are required to transform pyruvate into glucose?

- A. 5
- B. 6
- C. 7
- D. 8

Answer: B

Question: 39

Which of the following is not a derivative of the amino acid (Tryptophan)?

- A. Melatonin
- B. Serotonin
- C. Creatine
- D. Niacin

Answer: C

Question: 40

Pompe's disease is a type ___ glycogen storage disease.

- A. I
- B. II
- C. III
- D. IV

Answer: B

Question: 41

Prothrombin is a ___ globulin and is produced by the _____.

- A. Alpha, Kidney
- B. Alpha, Liver
- C. Beta, Kidney
- D. Beta, Liver

Answer: B

Question: 42

The right coronary artery divides to form the posterior interventricular artery and the ___ artery.

- A. Marginal
- B. LVC
- C. RVC
- D. LAD

Answer: A

Question: 43

Blood flowing into the cardiac veins enters the _____ next.

- A. Coronary Sinus
- B. Left Ventricle
- C. Right Ventricle
- D. Left Atrium

Answer: A

Question: 44

If you are using a stethoscope and trying to detect the tricuspid valve which of the following would be the best location?

- A. Within 2 inches of the xyphoid process
- B. On the right side of the sternum
- C. On the left side of the sternum near the midpoint
- D. On the left side of the sternum near the midpoint of the sixth rib

Answer: A

Question: 45

Which of the following occurs during ventricular systole?

- A. Increased aortic pressure
- B. Increased ventricular volume
- C. Dup heart sound
- D. P wave

Answer: A

Question: 46

Which of the following occurs during ventricular diastole?

- A. Increased aortic pressure
- B. Increased ventricular volume
- C. Lub heart sound
- D. T wave

Answer: B

Question: 47

The innermost layer of a blood vessel is lined with _____ cells

- A. Simple squamous
- B. Stratified squamous
- C. Simple cuboidal epithelium
- D. Stratified cuboidal epithelium

Answer: A

Question: 48

Angiotension can directly cause the release of ____ from the adrenal cortex.

- A. Renin
- B. Aldosterone
- C. Calcitonin
- D. Thyroxine

Answer: B

Question: 49

Cardiac output is the product of ____ and ____.

- A. HR and Diastolic pressure
- B. HR and Stroke Volume
- C. HR and EF
- D. Diastolic and Systolic pressure

Answer: B

Question: 50

Pulmonary edema is most like associated with a failing ____.

- A. Right atrium
- B. Left atrium
- C. Right ventricle
- D. Left ventricle

Answer: D

Question: 51

Which of the following is the first branch off the aortic arch?

- A. Common carotid
- B. Brachiocephalic
- C. Right Subclavian
- D. Thoracic

Answer: B

Question: 52

The brachiocephalic artery divides to form the right common carotid and the ____ ____ artery.

- A. Left subclavian
- B. Right subclavian
- C. Left common carotid
- D. Right thoracic artery

Answer: B

Question: 53

Which of the following arteries creates the left splenic, hepatic and gastric arteries?

- A. Left sacral artery
- B. Celiac artery
- C. Suprarenal artery
- D. Phrenic artery

Answer: B

Question: 54

Which of the following is not considered a major branch off of the descending thoracic aorta?

- A. Mediastinal artery
- B. Renal artery
- C. Bronchial artery
- D. Posterior intercostals artery

Answer: B

Question: 55

Which of the following is not considered a major branch off of the abdominal aorta?

- A. Phrenic artery
- B. Common iliac artery
- C. Gonadal artery
- D. Mediastinal artery

Answer: D

Question: 56

Which of the following is not considered a major branch off of the femoral artery?

- A. Superficial pudendal arteries
- B. Deep external pudendal arteries
- C. Superficial circumflex iliac artery
- D. Deep circumflex iliac artery

Answer: D

Question: 57

Which of the following is not considered a tributary of the portal vein?

- A. Inferior mesenteric vein
- B. Splenic vein
- C. Left gastric vein
- D. Subclavian vein

Answer: D

Question: 58

Inside the cranial cavity the vertebral arteries form the ____ artery.

- A. Basilar
- B. Common Carotid
- C. MCA
- D. PCA

Answer: A

Question: 59

Pulse pressure (pp) is considered the _____.

- A. Difference between the systolic and diastolic pressure
- B. The sum of the systolic and diastolic pressure
- C. The inverse of the blood pressure
- D. Half of the systolic pressure

Answer: A

Question: 60

_____ nerves can be found joining the SA and AV nodes in the heart.

- A. Accelerator
- B. Phrenic
- C. Thoracic
- D. Gastric

Answer: A

Question: 61

Insulin inhibits the release of _____.

- A. Glucagon
- B. ADH
- C. Beta cells
- D. Somatostatin

Answer: A

Question: 62

Which of the following is caused by insulin release?

- A. Increased breakdown of fats
- B. Increase breakdown of proteins
- C. Decreased blood sugar
- D. Causes glucose to be phosphorylated in kidney

Answer: C

Question: 63

Glucagon causes increased blood sugar and causes slow breakdown of glycogen in the liver.

- A. TRUE
- B. FALSE

Answer: B

Question: 64

As blood glucose decreases glucagon is inhibited.

- A. TRUE
- B. FALSE

Answer: B

Question: 65

Glucagon increases blood levels of glucose by causing liver to breakdown glycogen.

- A. TRUE
- B. FALSE

Answer: A

Question: 66

Which of the following is not true about Type I DM?

- A. May be linked to autoimmunity
- B. Onset usually prior to age 20
- C. Beta islet cells destroyed
- D. Does not require insulin injections

Answer: D

Question: 67

Which of the following is not true about Type II DM?

- A. Considered adult onset diabetes
- B. Cause unknown may be due to genetics
- C. Require insulin 80% of cases
- D. May take a drug that sensitize cells or increase insulin release

Answer: C

Question: 68

Which of the following is not an effect of diabetes?

- A. Small vessel occlusion
- B. Necrosis of extremities
- C. Ketone Body production
- D. Decreased fat metabolism

Answer: D

Question: 69

Which of the following is not an indicator of a hypoglycemic condition?

- A. Fatigue
- B. Poor appetite
- C. Tachycardia
- D. Confusion

Answer: B

Question: 70

Which of the following is not an adverse effect of oral hypoglycemics?

- A. Hypoglycemia
- B. Headache
- C. Rashes
- D. Projectile vomiting

Answer: D

Question: 71

Which of the following is not an adverse effect of glucagon?

- A. Allergic reaction
- B. Vomiting
- C. Nausea
- D. Fever

Answer: D

Question: 72

Which of the following drugs may be given as an immunosuppressant soon after onset of Type I Diabetes?

- A. Torsemide
- B. Cyclosporine
- C. Clofibrate
- D. Ceftriaxone

Answer: B

Question: 73

Which of the following is not considered an endocrine hormone?

- A. Renin
- B. Insulin
- C. Glucagon
- D. Somatostatin

Answer: A

Question: 74

What type of cells secrete glucagon?

- A. Beta cells
- B. Alpha cells
- C. Plasma cells
- D. Acinar cells

Answer: B

Question: 75

What type of cells secrete insulin?

- A. Beta cells
- B. Alpha cells
- C. Plasma cells
- D. Acinar cells

Answer: A

Question: 76

Which of the following would not be considered an acute effect of diabetes mellitus?

- A. Polyuria
- B. Weight gain
- C. Polydipsia
- D. Polyphagia

Answer: B

Question: 77

Which of the following is not an accurate test for diabetes?

- A. Glucose tolerance test
- B. HbA
- C. Fasting serum glucose
- D. Fasting glucagon test

Answer: D

Question: 78

Which of the following is not an indicator of diabetic ketoacidosis?

- A. Hyperthermia
- B. Nausea/Vomiting
- C. Slow and shallow breathing
- D. Psychosis leading to dementia

Answer: C

Question: 79

Which of the following is not related to a chronic diabetes mellitus condition?

- A. Atherosclerosis
- B. Neuropathy
- C. Glaucoma
- D. Hypotension

Answer: D

Question: 80

Which of the following conditions is not linked to diabetic ketoacidosis?

- A. Cerebral edema
- B. Arrhythmias
- C. Peptic ulcers
- D. Mucormycosis

Answer: C

Question: 81

Which of the following is not a specific element of duodenal ulcers?

- A. Primarily affects males
- B. Occasional malignancy
- C. Can lead to weight gain
- D. Affects people over 65

Answer: D

Question: 82

Which of the following is not a specific element of Hepatitis C?

- A. Vaccine available
- B. May be transmitted with sexual contact
- C. Inflammation of the liver
- D. Lifetime carrier

Answer: A

Question: 83

Which of the following Vitamins is not stored in the Liver?

- A. Vitamin A
- B. Vitamin B
- C. Vitamin C
- D. Vitamin D

Answer: C

Question: 84

Which of the following is not a contributor to a condition of ascites?

- A. Elevated levels of aldosterone
- B. Hypertension
- C. Low levels of albumin
- D. Elevated levels of angiotension I

Answer: D

Question: 85

Which of the following drugs is a histamine blocker and reduces levels of gastric acid?

- A. Omeprazole (Prilosec)
- B. Metoclopramide (Reglan)
- C. Cimetidine (Tagamet)
- D. Magnesium Hydroxide (Maalox)

Answer: C

Question: 86

Which of the following drugs is an antacid?

- A. Omeprazole (Prilosec)
- B. Metoclopramide (Reglan)
- C. Cimetidine (Tagamet)
- D. Magnesium Hydroxide (Maalox)

Answer: D

Question: 87

Which of the following drugs is a dopamine antagonist?

- A. Omeprazole (Prilosec)
- B. Metoclopramide (Reglan)
- C. Cimetidine (Tagamet)
- D. Magnesium Hydroxide (Maalox)

Answer: B

Question: 88

Another name for the Whipple procedure is a _____.

- A. Cholangiopancreatography
- B. Pancreatoduodenectomy
- C. Cholangiogram
- D. Cholecystogram

Answer: B

Question: 89

Which of the following microorganisms has been linked to Parotitis?

- A. Staphylococcus aureus
- B. Schistosoma
- C. Wucheria bancrofti
- D. Trypanosoma cruzi

Answer: A

Question: 90

What type of cell releases somatostatin?

- A. b cells
- B. a cells
- C. plasma cells
- D. D cells

Answer: D

Question: 91

What type of cell releases glucagon?

- A. b cells
- B. a cells
- C. plasma cells
- D. D cells

Answer: B

Question: 92

What type of cell releases insulin?

- A. b cells
- B. a cells
- C. plasma cells
- D. D cells

Answer: A

Question: 93.

Another name for the (Billroth II) procedure is a _____.

- A. Gastrojejunostomy
- B. Gastroduodenostomy
- C. Cholangiogram
- D. Cholecystogram

Answer: A

Question: 94

Another name for the (Billroth I) procedure is a _____.

- A. Gastrojejunostomy
- B. Gastroduodenostomy
- C. Cholangiogram
- D. Cholecystogram

Answer: B

Question: 95

Which of the following arteries supplies blood primarily to the Midgut?

- A. IMA
- B. Celiac
- C. SMA
- D. Axillary

Answer: C

Question: 96

Which of the following is not considered a right of medication?

- A. Dose
- B. Time
- C. Route
- D. Limit

Answer: D

Question: 97

Another name for the Myenteric plexus is the _____.

- A. Submucosal plexus
- B. Branchial plexus
- C. Auerbach's plexus
- D. Lumbar plexus

Answer: C

Question: 98

Which of the following enzyme breaks down starches to maltose.

- A. Amylase
- B. Lipase
- C. Trypsinogen
- D. Pepsin

Answer: A

Question: 99

Which of the following is not considered an H2 blocker?

- A. Ranitidine (Zantac)
- B. Famotidine (Pepcid)
- C. Cimetidine (Tagament)
- D. Sucralfate (Carafate)

Answer: D

Question: 100

Which of the following drugs aids in gastric emptying?

- A. Cisapride (Propulsid)
- B. Ranitidine (Zantac)
- C. Famotidine (Pepcid)
- D. Tranylcypromine sulfate (Parnate)

Answer: A

Question: 101

Which of the following is not a muscle identified in the rotator cuff?

- A. Teres Major
- B. Teres Minor
- C. Infraspinatus
- D. Supraspinatus

Answer: A

Question: 102

Which of the following is not a component of the unhappy triad?

- A. MCL
- B. PCL
- C. ACL
- D. Medial Meniscus

Answer: B

Question: 103

Which of the following is not included in the femoral triangle?

- A. Femoral Artery
- B. Femoral Nerve
- C. Femoral Vein
- D. Femoral Ligament

Answer: D

Question: 104

Which of the following is not a component of the carotid sheath?

- A. Cranial nerve X
- B. Common carotid artery
- C. Internal jugular vein
- D. Cranial nerve IX

Answer: D

Question: 105

Which of the following spinal dermatome level corresponds with the landmark of the inguinal ligament?

- A. T10
- B. L1
- C. L3
- D. L5

Answer: B

Question: 106

Which of the following nerves innervates the deltoid?

- A. Radial
- B. Cranial nerve XI
- C. Subscapular
- D. Axillary

Answer: D

Question: 107

Wrist extensors are primarily controlled by what nerve?

- A. Radial
- B. Ulnar
- C. Median
- D. Tibial

Answer: A

Question: 108

Adductor pollicis in the hand is controlled by which nerve?

- A. Radial
- B. Ulnar
- C. Median
- D. Tibial

Answer: B

Question: 109.

Which of the following arteries is the most frequent site of coronary artery stenosis?

- A. LCA
- B. RCA
- C. LAD
- D. PD

Answer: C

Question: 110

Which of the following nerves is not directly linked to the L2-L3 spinal level?

- A. Tibial
- B. Obturator
- C. Femoral

Answer: A

Question: 111

Which of the following passageways contain the maxillary nerve and blood vessels?

- A. Stylomastoid foramin
- B. Inferior orbital fissure
- C. Foramen ovale
- D. Carotid canal

Answer: B

Question: 112

Which of the following passageways contain the facial nerve and blood vessels?

- A. Stylomastoid foramin
- B. Inferior orbital fissure
- C. Foramen ovale
- D. Carotid canal

Answer: A

Question: 113

Which of the following passageways contain the internal carotid artery?

- A. Foramen rotundum
- B. Condylar canal
- C. Foramen ovale
- D. Carotid canal

Answer: D

Question: 114

Which of the following is the most common site of disc herniation?

- A. C6-7
- B. T12-L1
- C. L4-5
- D. L5-S1

Answer: D

Question: 115

Which of the following ligaments is not found in the knee?

- A. Patellar ligament
- B. Oblique popliteal ligament
- C. Arcuate popliteal ligament
- D. Deltoid ligament

Answer: D

Question: 116

Which of the following nerves innervates the teres minor muscle?

- A. Subscapular nerve
- B. Suprascapular nerve
- C. Axillary nerve
- D. Pectoral nerve

Answer: C

Question: 117

Which of the following nerves innervates the pronator teres muscle?

- A. Radial
- B. Median
- C. Musculocutaneous
- D. Ulnar

Answer: B

Question: 118

Which of the following supplies the muscles of the perineum?

- A. Pudendal nerve
- B. Sciatic nerve
- C. Femoral nerve
- D. Tibial nerve

Answer: A

Question: 119

Which of the following eye muscles rotates the eye downward and away from midline?

- A. Inferior oblique
- B. Superior oblique
- C. Inferior rectus
- D. Superior rectus

Answer: B

Question: 120

Which of the following eye muscles rotates the eye upward and toward midline?

- A. Inferior oblique
- B. Superior oblique
- C. Inferior rectus
- D. Superior rectus

Answer: D

Question: 121

Which of the following is a longitudinal incision through eschar and down to subcutaneous tissue?

- A. Escharotomy
- B. Dehiscence
- C. Transection
- D. Escharotic's procedure

Answer: A

Question: 122

Which of the following types of wounds match the criteria: plantar aspect of foot, met heads, heel?

- A. Arterial
- B. Plantar
- C. Venous
- D. Diabetic

Answer: D

Question: 123

Which of the following terms matches: water and electrolytes (clear)?

- A. Exudate
- B. Transudate
- C. Serosanguineous
- D. Induration

Answer: B

Question: 124

Which of the following edema assessment levels corresponds with: Depression resolving in 10-15 sec?

- A. +1
- B. +2
- C. +3
- D. +4

Answer: B

Question: 125

Which of the following terms matches the statement: to increase the fibrous element; to make hard as in the presence of cellulites?

- A. Induration
- B. Necrosis
- C. Eschar
- D. Maceration

Answer: A

Question: 126

Following the rule of nines. What percent would a third degree burn to the entire arm and back cover?

- A. 28%
- B. 27%
- C. 20%
- D. 18%

Answer: B

Question: 127

Which of the following matches the definition: A full thickness skin loss involving damage or necrosis of subcutaneous tissue that may extend down to but not through underlying fascia, infection and/or necrosis may be present?

- A. Stage I wound
- B. Stage II wound
- C. Stage III wound
- D. Stage IV wound

Answer: C

Question: 128

Which of the following types of wound is indicated by the definition: relatively painless, decreased with elevation?

- A. Arterial
- B. Plantar
- C. Venous
- D. Diabetic

Answer: B

Question: 129

Which of the following matches the definition: The loss of circulatory fluids into interstitial spaces?

- A. Hypovolemia
- B. Necrosis
- C. Eschar
- D. Maceration

Answer: A

Question: 130

An emollient has a/an _____ effect.

- A. Pruritic
- B. Antipruritic
- C. Rupture
- D. Impetigo

Answer: A

Question: 131

Which of the following is the outermost layer of the epidermis?

- A. Stratum spinosum
- B. Stratum corneum
- C. Stratum granulosum
- D. Stratum basale

Answer: B

Question: 132

Which of the following is the deepest layer of the epidermis?

- A. Stratum spinosum
- B. Stratum corneum
- C. Stratum granulosum
- D. Stratum basale

Answer: D

Question: 133

Which of the following is beneath the stratum corneum?

- A. Stratum spinosum
- B. Stratum corneum
- C. Stratum granulosum
- D. Stratum basale

Answer: C

Question: 134

Vitamin D is created from _____ by skin cells.

- A. Dehydrocholesterol
- B. Cholesterol
- C. Hydrocholesterol
- D. Hydrodermis

Answer: A

Question: 135

Which of the following is another name for blackheads associated with acne?

- A. Pustules
- B. Sebaceous
- C. Eccrine
- D. Comedones

Answer: D

Question: 136

Which of the following identifies skin from a cadaver used in a burn graft?

- A. Homograft
- B. Autograft
- C. Allograft
- D. Xenograft

Answer: A

Question: 137

Which of the following is a disease characterized by hyperactive sebaceous glands and often associated with dandruff?

- A. Keloid
- B. Seborrhea
- C. Eczema
- D. Urticaria

Answer: B

Question: 138

Which of the following is a disease characterized by the presence of hives?

- A. Keloid
- B. Seborrhea
- C. Eczema
- D. Urticaria

Answer: D

Question: 139

Which of the following is a disease characterized by a skin rash that is blistering and itchy?

- A. Keloid
- B. Seborrhea
- C. Eczema
- D. Urticaria

Answer: C

Question: 140

Sebaceous glands secrete _____.

- A. Sebum
- B. Impetigo
- C. Serous
- D. Sirius

Answer: A

Question: 141

Which of the following is not directly associated with the lymphatic pathway?

- A. Lymphatic trunk
- B. Collecting duct
- C. Subclavian vein
- D. Carotid arteries

Answer: D

Question: 142

The thymus is responsible for secreting _____ from epithelial cells.

- A. Thymosin
- B. Growth hormone
- C. Macrophages
- D. Plasma cells

Answer: A

Question: 143

Which of the following types of cytokines is responsible for the growth and maturation of B cells?

- A. Interleukin-1
- B. Interleukin-2
- C. Interleukin-4
- D. Interleukin-7

Answer: C

Question: 144

Which of the following types of immunoglobulins is the most responsible for promoting allergic reactions?

- A. IgA
- B. IgM
- C. IgD
- D. IgE

Answer: D

Question: 145

Which of the following types of immunoglobulins is located on the surface of most B lymphocytes?

- A. IgA
- B. IgM
- C. IgD
- D. IgE

Answer: C

Question: 146

Which of the following types of immunoglobulins does not cross the barrier between mother and infant in the womb?

- A. IgA
- B. IgM
- C. IgD
- D. IgE

Answer: A

Question: 147

Which of the following is not an autoimmune disease?

- A. Graves disease
- B. Myasthenia gravis
- C. Insulin-dependent diabetes mellitus
- D. Alzheimer's disease

Answer: D

Question: 148

T-cell activation requires a/an _____ cell.

- A. Activation
- B. Accessory
- C. Plasma
- D. Helper

Answer: B

Question: 149

The thymus is located with the _____.

- A. Mediastinum
- B. Peristinum
- C. Epistinum
- D. Endostinum

Answer: A

Question: 150

Which of the following statements is false regarding the spleen?

- A. Divided up into lobules
- B. Similar to a large lymph node
- C. Contains macrophages
- D. Limited blood within the lobules

Answer: D

Question: 151

Which of the following is not considered a central location of lymph nodes?

- A. Cervical
- B. Axillary
- C. Inguinal
- D. Tibial

Answer: D

Question: 152

Lymphocytes that reach the thymus become _____.

- A. T-cells
- B. B-cells
- C. Plasma cells
- D. Beta cells

Answer: A

Question: 153

Lymphocytes that do not reach the thymus become _____.

- A. T-cells
- B. B-cells
- C. Plasma cells
- D. Beta cells

Answer: B

Question: 154

Which of the following is associated with a B cell deficiency?

- A. Job's syndrome
- B. Chronic granulomatous disease
- C. Bruton's agammaglobulinemia
- D. Wiskott-Aldrich syndrome

Answer: C

Question: 155

Which of the following is the autoantibody for systemic lupus?

- A. Anti-microsomal
- B. Antinuclear antibodies
- C. Anti-gliadin
- D. Anti-histone

Answer: B

Question: 156

The TB skin test is an example of _____.

- A. Delayed hypersensitivity
- B. Serum sickness
- C. Cytotoxic reaction
- D. Arthus reaction

Answer: A

Question: 157

Which of the following types of cytokines is secreted by macrophages?

- A. IL-1
- B. IL-2
- C. IL-3
- D. IL-4

Answer: A

Question: 158

Which of the following types of immunoglobulins binds complement?

- A. IgA
- B. IgD
- C. IgE
- D. IgG

Answer: D

Question: 159

Which of the following is a key component of cytotoxic T cells?

- A. CD2
- B. CD4
- C. CD8
- D. CD10

Answer: C

Question: 160

Which of the following is not a primary target group of T cells?

- A. Viruses
- B. Toxins
- C. Fungi
- D. TB

Answer: B

Question: 161

Which of the following structures contains genes for enzymes and antibiotic resistance?

- A. Plasmid
- B. Pilus
- C. Capsule
- D. Plasma Membrane

Answer: A

Question: 162

Which of the following is the most important structure related to microbial attachment to cells?

- A. Flagellum
- B. Plasmid
- C. Peptidoglycan
- D. Glycocalix

Answer: D

Question: 163

Which of the following is not a gram-negative bug?

- A. Clostridium perfringens
- B. Vibrio cholerae
- C. Escherichia coli
- D. Bordetella pertussis

Answer: A

Question: 164

Which of the following is not true related to endotoxins?

- A. Endotoxins are secreted from cells.
- B. Can be linked to Meningococemia
- C. Produced by gram negative microorganisms
- D. Can cause fever

Answer: A

Question: 165

Which of the following microorganisms stain well?

- A. Escherichia coli
- B. Legionella pneumophila
- C. Treponema
- D. Chlamydia

Answer: A

Question: 166

Which of the following microorganisms are not matched correctly with the appropriate isolation media?

- A. Fungi - Sabourand's agar
- B. Neisseria gonorrhoeae – Pink colonies media
- C. Haemophilus influenzae – Chocolate agar
- D. Mycobacterium tuberculosis - Lowenstein-Jensen agar

Answer: B

Question: 167

Which of the following diseases and bacteria are matched up incorrectly?

- A. Cellulitis – *Pasteurella multocida*
- B. Tularemia – *Francisella tularensis*
- C. Gastritis – *Helicobacter pylori*
- D. Lyme disease – *Yersinia pestis*

Answer: D

Question: 168

Which of the following diseases and bacteria are matched up incorrectly?

- A. *Treponema pallidum* – Syphilis
- B. *Tinea nigra* – *Cladosporium werneckii*
- C. *Borrelia burgdorferi* – Lyme disease
- D. *Yersinia enterocolitica* – Diphtheria

Answer: D

Question: 169

Which of the following is not true concerning *Staphylococcus aureus*?

- A. *S. aureus* is related to inflammation.
- B. *S. aureus* can cause pneumonia
- C. *S. aureus* can lead to acute bacterial endocarditis
- D. *S. aureus* does not make coagulase

Answer: D

Question: 170

Which of the following signs and symptoms is not linked to *Haemophilus influenzae*?

- A. Otitis media
- B. Pneumonia
- C. Malaria
- D. Epiglottitis

Answer: C

Question: 171

The Tsetse fly is a transmission factor for which of the following organisms?

- A. Trichomonas vaginalis
- B. Trypanosoma gambiense
- C. Entamoeba histolytica
- D. Toxoplasma

Answer: B

Question: 172

The Ixodes tick is a transmission factor for which of the following organisms?

- A. Trichomonas vaginalis
- B. Leishmania donovani
- C. Babesia
- D. Giardia lamblia

Answer: C

Question: 173

Chagas' disease is commonly treated with Nifurtimox and is linked to the ____ microorganism.

- A. Naegleria
- B. Schistosoma
- C. Wucheria bancrofti
- D. Trypanosoma cruzi

Answer: D

Question: 174

Which of the following is not fungal related?

- A. Cryptococcus neoformans
- B. Candida albicans
- C. Tinea nigra
- D. Chlamydiae

Answer: D

Question: 175

Which of the following is not a DNA virus?

- A. Adenovirus
- B. Calicivirus
- C. Papovirus
- D. Poxvirus

Answer: B

Question: 176

Which of the following is not a RNA virus?

- A. Reovirus
- B. Orthomyxovirus
- C. Deltavirus
- D. Herpesvirus

Answer: D

Question: 177

Which of the following viruses is not a double strand linear DNA virus?

- A. Poxvirus
- B. Papovavirus
- C. Adenovirus
- D. Herpesvirus

Answer: B

Question: 178

Which of the following viruses is not a single strand linear RNA virus?

- A. Togavirus
- B. Retrovirus
- C. Bunyavirus
- D. Picornavirus

Answer: C

Question: 179

The Tzanck test is not used on which of the following viruses?

- A. VZV
- B. HSV-2
- C. HHV-8
- D. HSV-1

Answer: C

Question: 180

Which of the following microorganisms has not been linked to UTI's?

- A. E. coli
- B. Pseudomonas
- C. Klebsiella
- D. Haemophilus

Answer: D

Question: 181

Oligodendrocytes are located in the _____.

- A. PNS
- B. CNS

Answer: B

Question: 182

Schwann cells are located in the _____.

- A. PNS
- B. CNS

Answer: A
