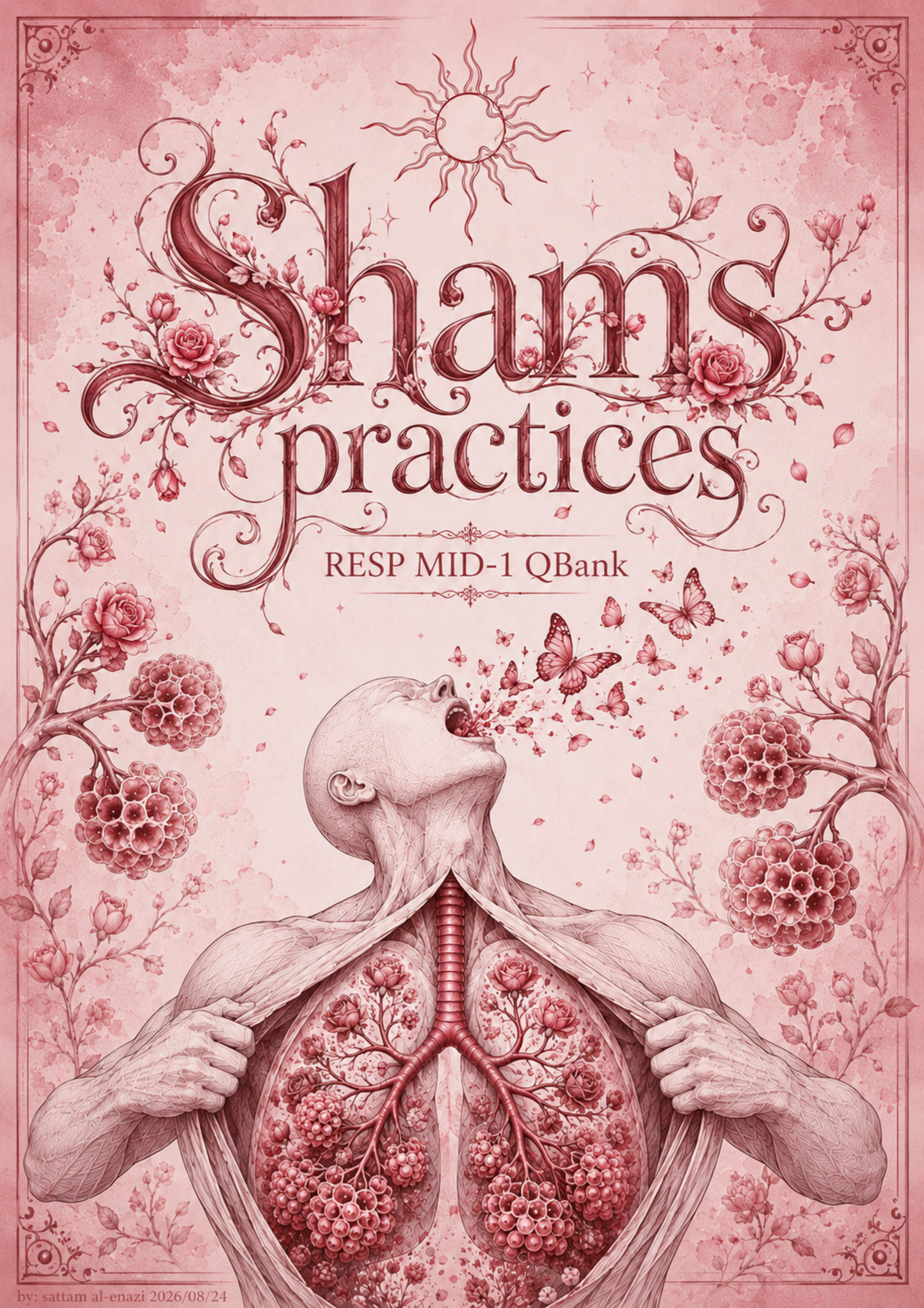
Shams practices

RESP MID-1 QBank



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@SHAMSPRACTICES

Batch 23

1 maniburosternum joint attach to :
A 1st rib
B 2nd rib
C 3rd rib
D 4th rib

2 costo-diaphragmatic recess found in :
A Superior surface
B Anterior surface
C Inferior surface
D Medial surface

3 someone unable to tense their vocal cords which nerve is most likely injured ?
A Recurrent laryngeal nerve
B Internal laryngeal nerve
C External laryngeal nerve
D Vagus nerve

4 which artery passes through thyrohyoid membrane ?
A Inferior thyroid artery
B Superior thyroid artery
C Inferior laryngeal artery
D superior laryngeal

5 the internal thoracic artery terminates at ?
A 4th intercostal space
B 5th intercostal space
C 6th intercostal space
D 7th intercostal space

6 abnormality in the right 5th space , what is the most liable vein to be injured ?
A Hemiazygos vein
B Accessory hemiazygos vein
C Internal thoracic vein
D azygos vein

7 injury in second posterior artery , therefore the artery that is affected also is ?
A Thoracoacromial artery
B superior intercostal
C Internal thoracic artery
D Musculophrenic artery

1	2	3	4	5	6	7
b	c	c	d	c	d	b

8 pharyngeal tonsil is found in ?
A Oropharynx
B Laryngopharynx
C nasopharynx
D Oral cavity

9 patient tearing from his nose , this is the nasolacrimal duct which terminates just below
A superior chonca
B middle chonca
C inferior chonca
D nasal septum

10 the nerve supplies the mediastenum and central part of diaphragm ?
A Vagus nerve
B Intercostal nerve
C phrenic nerve
D Sympathetic nerve

11 what structure passes along with the aorta ?
A Azygos vein
B thoracic duct
C Vagus nerve
D Phrenic nerve

12 the movement of the pump-handle ?
A Transverse
B Vertical
C anteroposterior
D Lateral

13 the Antero-posterior movement is done by ?
A Internal intercostals muscle
B Diaphragm
C external intercostals muscle
D Transversus thoracis

14 the pleura which resides on the root of the neck ?
A Costal pleura
B Mediastinal pleura
C Diaphragmatic pleura
D cervical pleura

8	9	10	11	12	13	14
c	c	c	b	c	c	d

15 in case of tracheo-esophageal fistula , the main cause is failure of division by ?
A Pleuropericardial membrane
B tracheo-esophageal septum
C Septum transversum
D Pleuroperitoneal membrane

16 a smoker is suffering from difficult of breathing due to encompassing of vocal cords, the main cause of this symptom is failure of ?
A Vocal cord tension
B Glottis opening
C Glottis closure
D Epiglottis elevation

17 during inspiration , what is the pressure that increases ?
A Intrapleural pressure
B Intra-alveolar pressure
C trans- pulmonary
D Atmospheric pressure

18 a patient was stabbed in his neck , leading to bilateral diphragmatic injury due to injury in his phrenic nerve , how can this patient mantain his breething ?
A achieved by scalene , intercostals , sternocleidomastoid
B achieved by diaphragm only
C achieved by abdominal muscles
D achieved by pectoralis major only

19 a newborn suffers from respiratory distress, decrease in which of the following could cause this deficiency?
A Airway resistance
B lung compliance
C Intrapleural pressure
D Residual volume

20 patient suffers from pulmonary fibrosis , so he is unable to increase his lung capacity , what does pulmonary fibrosis do?
A Increase lung compliance
B Increase airway resistance
C loss of elastic cartilage
D Increase surfactant production

21 decrease of one of the following could result in infections of lower respiratory tract (SDL)
A Mucus secretion
B Surfactant production
C alveolar phagocytosis
D Pulmonary ventilation

15	16	17	18	19	20	21
b	c	c	a	b	c	c

22 lung compliance is determined by .?
A Airway resistance
B surface tension
C Respiratory rate
D Tidal volume

23 (long case biochem) deficiency of phosphofructokinase-1 leads to ?
A McArdle disease
B Von Gierke disease
C tarui disease
D Pompe disease

24 in case of anaerobic glycolysis , we are recharging NADH by what enzyme ?
A Pyruvate kinase
B Hexokinase
C lactate dehydrogenase
D Phosphofructokinase

25 sodium floride is used to take blood samples to measure the amount of glucose , the sodium floride normally works by ?
A Activating hexokinase
B inhibiting the enolase enzymes by which it stops the glycolysis
C Activating pyruvate kinase
D Inhibiting phosphofructokinase

26 fluroacetate inhibits one of the krebs cycle enzymes which is ?
A Citrate synthase
B Succinate dehydrogenase
C aconitase
D Malate dehydrogenase

27 patient has PDHC deficiency, which vitamin is NOT needed to change pyuruvate to acetyl coA ?
A Vitamin B1
B Vitamin B2
C vitamn C
D Vitamin B3

28 what is the main function if pseudophedrine and its main mechanism?
A Blocks beta adrenirgic receptors
B stimulates alpha adrenirgic receptors
C Blocks alpha adrenirgic receptors
D Stimulates muscarinic receptors

22	23	24	25	26	27	28
b	c	c	b	c	c	b

29 patient suffers from motion sickness so we prescribed..?
A Loratadine
B Cetirizine
C dimenhydrinate
D Fexofenadine

30 patient is using topical nasal decongastants for 10 days (a spray for 10 days)
suddenly he feels like he needs more and more and once he stopped using it affected him.
What is this thing names ?
A Tachyphylaxis
B Hypersensitivity reaction
C rebound phenomenon
D Drug tolerance

31 4th posterior intercostal artery, originated from?
A Internal thoracic artery
B Superior intercostal artery
C Desending oarta
D Musculophrenic artery

Batch 22

32 fracture the 10th rib posterity the midaxillary line, the affected artery is originated from ?
A Internal thoracic artery
B Desending aorta
C Superior intercostal artery
D Subclavian artery

33 cancer at 6th intercostal space on the left side , canser is in the veinous drainage which vein will be affected first?
A Azygos vein
B Inferior vena cava
C Inferior hemiazygos
D Superior hemiazygos

34 the nerve that supply the diaphragm is originated from?
A C1-C2-C3
B C2-C3-C4
C C3-C4-C5
D C4-C5-C6

35 swelling in the superior meatus of the lateral wall of nose, which sinus duct can be affected?
A Frontal sinus
B Maxillary sinus
C Anterior ethmoidal sinus
D Posterior ethmoidal sinus

29	30	31	32	33	34	35
c	c	c	b	d	c	d

36 maxillary sinus opens in?
A Superior meatus
B Inferior meatus
C Middle meatus
D Sphenoethmoidal recess

37 a doctor had a surgery in the right kidney, accidentally he injured the diaphragm at the level of T8, which structure can be injured?
A Esophagus
B Aorta
C Inferior vena Cava
D Thoracic duct

38 patient with hiatus hernia, during the operation the dr injured a structure?
A Phrenic N
B Vagus N
C Sympathetic trunk
D Thoracic duct

39 a patient had lung effusion,to make thoracocentesis the needle need to be inserted in?
A Directly inferior to the lower rib border
B Directly superior to the upper rib border
C Through the costal groove
D Directly inferior to the upper rib border

40 the neurovasclar bundle is the costal groove (down upwards)?
A Vein, Artery, Nerve
B Artery, Vein, Nerve
C Nerve, Artery,Vein
D Nerve, Vein, Artery

41 Lining epithelium of larynx and trachea is derived from?
A Ectoderm
B Mesoderm
C Neural crest
D Endoderm of forgut

42 abnormal Passage between the trachea & esophagus?
A Esophageal atresia
B Tracheal stenosis
C Trachea-esophageal fistula
D Laryngeal atresia

36	37	38	39	40	41	42
c	c	b	b	c	d	c

43 the Respiratory Quotient for the mixed normal diet?
A 0.7
B 0.8
C 0.9
D 1.0

44 patient have Asthma, she used inhaler & become better, on which receptor does the inhaler works?
A B 1
B B 2
C Alpha 1
D Alpha 2

45 patient had allergy during a walk in a garden, what is the most factor the caused air way resistance in his case?
A Brochioconstrection
B Bronchodilation
C Increased lung compliance
D Decreased surface tension

46 primary factor for increased air way resistance?
A Lung compliance
B Respiratory rate
C diameter or radius of bronchia
D Surface tension

47 a baby was borned at the 28 week, with breathing difficulties, he was diagnosed by respiratory destress syndrome, he had increased in the ...?
A Lung compliance
B Surfactant production
C Surface tension
D Tidal volume

48 patient was stabbed in his thorax , air entered his pleura ,what is the name of this abnormality?
A Hemothorax
B Pleural effusion
C Pneumothorax
D Atelectasis

49 Expiration at normal resting condition?
A Active process
B Passive process
C Requires contraction of diaphragm
D Requires contraction of abdominal muscles

43	44	45	46	47	48	49
b	b	a	c	c	c	b

50 block complex 1?
A Amonarbital
B Cyanide
C Antimycin A
D Oligomycin

51 Rotenone inhibits ?
A Complex 1
B Complex 2
C Complex 3
D Complex 4

52 Cyanide toxicity, which complex is inhabited?
A Complex 1
B Complex 2
C Complex 3
D Complex 4

53 the thermogenin in the baby generates?
A ATP
B NADH
C Heat
D Glucose

54 blind patient diagnosed with leber hereditary optic neuropathy , because a defct in the..?
A Glycolysis
B Oxidative Phosphorylation
C Gluconeogenesis
D Glycogenolysis

55 patient with dry cough, had an history of dependence which he is cured from it 2 years ago, which antitussive is least likely to be used?
A Dextromethorphan
B Benzonatate
C Codeine
D Guaifenesin

56 a driver had common cold, and he have a long way to drive the next day, which drug is better?
A Diphenhydramine
B Chlorpheniramine
C Dimenhydrinate
D Loratadine

50	51	52	53	54	55	56
a	a	d	c	b	c	d

57 which drug blocks the H1 receptor ?
A Benzonatate
B Codeine
C Dimenhydrinate
D Guaifenesin

58 which drug have peripheral & central effect?
A Codeine
B Benzonatate
C Loratadine
D Guaifenesin

59 scarlet fever is caused by?
A S.aureus
B S.pneumoniae
C S.pyogenes
D H.influenzae

60 a child with swelled epiglottis,drooling, stridor, muffled voice, tripod position, high fever , for prevention?

A Pneumococcal polysaccharide vaccine

B Haemophilus influenza capsular antigen vaccine
C Influenza vaccine
D DTaP vaccine

Batch 21

61 Case has epistasis , what is the site ?
A posterior & superior part of nasal septum
B anterior & superior part of nasal septum
C anterior & inferior part of nasal septum
D posterior & inferior part of nasal septum

62 sphenoid bone is ?
A Floor of nose
B Roof of nose
C Lateral wall of nose
D Nasal septum

63 In case , maxillary sinusitis. ?
A Superior meatus
B Inferior meatus
C Middle meatus
D Sphenoethmoidal recess

57	58	59	60	61	62	63
c	b	c	b	c	b	c

64 case a man had a procedure and removed his thyroid gland resulting in horsiness of voice injury to which nerve?
A External laryngeal nerve
B Internal laryngeal nerve
C Recurrent laryngeal nerve
D Glossopharyngeal nerve

65 Muscle supplied by external laryngeal nerve ?
A Posterior cricoarytenoid
B Cricothyroid
C Thyroarytenoid
D Lateral cricoarytenoid

66 Which pressures is less than the atmospheric pressure during the resting stage?
A Intra-alveolar pressure
B Trans-pulmonary pressure
C Intra-pleural pressure
D Atmospheric pressure

67 Patient with infant destress syndrome due to pre mature Have difficult inspiration due to decreases ?
A Surface tension
B Lung expansion
C Airway resistance
D Respiratory rate



68 EXPIRATION ?
A ACTIVE process
B PASSIVE process
C Forced process
D Voluntary process

69 Pneumothorax ?
A Fluid in Pleural space
B Blood in Pleural space
C Air in Pleural space
D Pus in Pleural space

70 Lung Compliance is ?
A is a measure of unit change in lung volume for unit change in Trans-pulmonary pressure
B is a measure of airway resistance during expiration
C is a measure of respiratory rate per minute
D is a measure of oxygen diffusion across alveoli

64	65	66	67	68	69	70
c	b	c	b	b	c	a

71 During normal quiet respiration, the total energy expended by the body is required for pulmonary ventilation ?
A 1 to 2
B 3 to 5
C 6 to 8
D 10 to 15

72 Natural Uncoupler ?
A Oligomycin
B Thermogenin (UCP1)
C Rotenone
D Cyanide

73 a student has an exam tomorrow and he was nervous what do you expect when testing his pH
levels?
A metabolic acidosis
B respiratory alkalosis
C metabolic alkalosis
D respiratory acidosis

74 (In case) ABG Ph = 7.25 , Hco3 = 12 , co2 = 35 ?
A Respiratory Acidosis
B Respiratory Alkalosis
C metabolic Acidosis
D Metabolic Alkalosis

75 case ABG shoes ph = 7.6 , hco3 = 25 , Co2 = 31 ?
A Respiratory Alkalosis
B Respiratory Acidosis
C Metabolic Acidosis
D Metabolic Alkalosis

76 Site 1 inhibitor (Complex 1) ?
A Cyanide
B Antimycin A
C Oligomycin
D Rotenone

77 a woman was taking synthetic uncoupler for wight loss and she had increased lactic acid what action is taking place?
A Decreased permeability of inner mitochondrial membrane to protons
B Inhibition of Complex IV
C Increased permeability of inner mitochondrial membrane to protons
D Inhibition of ATP synthase

71	72	73	74	75	76	77
b	b	d	c	a	d	c

78 Metabolic Alkalosis ?
A Sodium Deficiency
B Potassium Deficiency
C Calcium Deficiency
D Magnesium Deficiency

79 Drug take Topical used ?
A Loratadine
B Promethazine
C oxymetazoline
D Dimenhydrinate

80 first generation antihistaminic drugs block which receptors?
A Histamine receptors only
B Muscrinic receptors only
C Histamine and muscrinic receptors
D Alpha and beta receptors

81 A pronounced sedative drug ?
A Loratadine
B Fexofenadine
C Cetirizine
D Promethazine

82 antihistamine taken for anti-motion sickness ?
A Loratadine
B Promethazine
C Fexofenadine
D Cetirizine

83 In case patient has Epiglottitis what is Vaccine Prevention ?
A Pneumococcal capsular antigen
B Haemophilus influenza capsular antigen
C Influenza vaccine
D DTaP vaccine

84 In case Blood agar Gram positive cocci beta-hemolytic colonies ?
A Pneumonia
B Scarlet fever
C rheumatic fever
D Epiglottitis

78	79	80	81	82	83	84
b	c	c	d	b	b	c

85 a case with injury in C2 – C5 and breath is affected which of these nerves could be injured? A Vagus nerve
B Intercostal nerve
C Phrenic nerve
D Recurrent laryngeal nerve

Batch 20

86 which of these structure pass at the level of T8?
A Esophagus
B Aorta
C Inferior vena cava
D Thoracic duct

87 damage to the descending aorta would affect?
A Upper 2 posterior intercostal arteries
B Lower 9 posterior intercostal arteries
C Anterior intercostal arteries
D Internal thoracic arteries

88 which of these cartilages is a complete ring in shape?
A Thyroid cartilage
B Epiglottic cartilage
C Arytenoid cartilage
D Cricoid cartilage

89 the space between two vocal folds is called?
A Laryngeal vestibule
B Rima vestibuli
C Rima glottidis
D Laryngeal ventricle

90 fracture to lateral nasal wall of the nose would affect which of these bones?
A Vomer
B Ethmoid bone
C Inferior concha
D Sphenoid bone

91 one of these bones is from the medial wall of the nose?
A Inferior concha
B Maxilla
C Palatine bone
D vomer

85	86	87	88	89	90	91
c	c	b	d	c	c	d

92 upper 6 pairs of anterior intercostal arteries are supplied by?
A Musculophrenic artery
B Superior intercostal artery
C Internal thoracic artery
D Descending aorta

93 the respiratory quotient in a healthy normal persons food would be?
A 0.7
B 0.8
C 0.9
D 1.0

94 normal expiration at rest is?
A Active
B Forced
C Passive
D Voluntary

95 intra alveolar pressure during inspiration should be?
A Higher than atmospheric pressure
B Equal to atmospheric pressure
C Lower than atmospheric pressure
D Equal to intrapleural pressure

96 histamine increases airway resistance by?
A Bronchodilation
B Bronchoconstriction
C Increased lung compliance
D Decreased surface tension

97 unit change in lung volume for unit change in Trans-pulmonary pressure?
A Airway resistance
B Ventilation
C compliance
D Diffusion

98 respiratory distress in newborns is?
A Increase in lung expansion
B Decrease in airway resistance
C Increase in lung compliance
D Decrease in lung expansion

92	93	94	95	96	97	98
c	b	c	c	b	c	d

99 a drug that Block of ATP synthesis in ETC is?
A Rotenone
B Cyanide
C oligomycin
D Antimycin A

100 a natural uncoupler?
A Oligomycin
B Thermogenin
C Rotenone
D Cyanide

101 Topical nasal decongestant?
A Fexofenadine
B Promethazine
C Oxymetazoline
D Dimenhydrinate

102 a case of nasal congestion in need of antihistamine that have the least effect on mental status?
A Promethazine
B Diphenhydramine
C Chlorpheniramine
D H2 generation (fexofenadine)

103 a DNA virus that causes pharyngitis?
A Influenza virus
B CMV
C Rhinovirus
D RSV

104 an 8-year-old patient is having tonsillar exudate along with tender cervical lymphangitis, and fever, under culture the agent appear to be gram positive cocci and bacitracin sensitive in blood agar, what is the causative agent?
A S. aureus
B S. pneumoniae
C S, pyogenes
D H. influenzae

105 type of inflammation in bronchopneumonia?
A Granulomatous inflammation
B Serous inflammation
C Fibrinous inflammation
D Suppurative inflammation

99	100	101	102	103	104	105
c	b	c	d	b	c	d

106 a lobar pneumonia patient with bacteria neutrophils and exudate is at which stage?
A Congestion
B Red hepatization
C Grey hepatization
D Resolution

107 accumulation of puss in the pleura?
A Hemothorax
B Pneumothorax
C empyema
D Hydrothorax

108 case with exudate in pleura that is green yellowish pus?
A Hemothorax
B Pleural effusion
C Pneumothorax
D empyema

109 maxillary sinus open in?
A superior sinus
B inferior sinus
C middle sinus
D sphenoethmoidal recess

Batch 19

110 Which of the following is a typical rib-
A 1st
B 2nd
C 3rd
D 12th

111 Arytnoid articulate with?
A Thyroid
B Cricoid
C Epiglottis
D Hyoid

112 Injury in external laryngeal nerve effects which muscle:
A Posterior cricoarytenoid muscle
B Lateral cricoarytenoid muscle
C Thyroarytenoid muscle
D cricothyroid muscle

106	107	108	109	110	111	112
a	c	d	c	c	b	d

113 Littles area located which part of the nose-
A Lateral wall
B Nasal septum
C Roof of nose
D Floor of nose

114 Patient has trouble with inhalation which muscle is most likely affected-
A Internal intercostalis
B External intercostalis
C Transversus thoracis
D Abdominal muscle

115 The volume of air that remains in lung after maximum expiration -
A Tidal volume
B Inspiratory reserve volume
C Expiratory reserve volume
D Residual volume

116 The main muscle in inspiration-
A External intercostalis
B Internal intercostalis
C diaphragm
D Sternocleidomastoid

117 Which of the following increases airway resistance:
A bronchodilation
B bronchoconstriction
C Increased lung compliance
D Decreased surface tension

118 Patient with infant destress syndrome due to pre mature Have difficul inspiration due to decreases -
A Airway resistance
B Surface tension
C Lung expantion
D Respiratory rate

119 How does respiratory system regulate blood pressure?
A Secretion of renin
B Secretion of aldosterone
C Secretion of ACE
D Secretion of ADH

113	114	115	116	117	118	119
b	b	d	c	b	c	c

120 it is change in lung volume per unit change in pressure-
A Tidal Volume
B Residual Volume
C Compliance
D Vital Capacity

121 it is volume of air inspired or expired during single normal breath-
A Residual Volume
B Tidal Volume
C Vital Capacity
D Inspiratory Reserve Volume

122 Lung compliance is determined by-
A Airway resistance
B Respiratory rate
C elastic tissue
D Tidal volume

123 The side effect of taking cyanide:
A Increasing ATP synthesis
B stopping electron transport chain
C Increasing oxygen consumption
D Increasing electron transport chain

124 inhibitor at complex 2 :-
A Rotenone
B Cyanide
C Phenoformin
D Oligomycin

125 Patient with lobar pneumonia examined microscopically which stage:
A Red hepatization
B Grey hepatization
C congestion
D Resolution

126 The type of inflammation in bronchopneumonia-
A Serous inflammation
B Fibrinous inflammation
C Granulomatous inflammation
D suppurative inflammation

120	121	123	124	125	126	127
c	b	c	b	c	c	d

127 Topical drug for decongestant -
A Diphenhydramine
B Loratadine
C Oxymetazoline
D Promethazine

128 drug use for motion sickness-
A Fexofenadine
B Diphenhydramine
C Loratadine
D Oxymetazoline

129 The most common cause of phyrngitis in adults-
A Bacteria
B Fungi
C Viruses
D Parasites

130 Which microbe must be cultured around Staph aureus-
A S. pyogenes
B H.Influenza
C S. pneumoniae
D Chlamydia pneumoniae

131 caustive agent for A-typical pnemonia? :
A Streptococcus pneumoniae
B Haemophilus influenzae
C Staphylococcus aureus
D chlymedia pneumoniae

132 Patient has fatigue,generalized lymphadenopathy,skin rash,his gram stain was negative and monospot test positive-
A CMV
B Influenza virus
C EBV
D Adenovirus

127	128	129	130	131	132	
c	b	c	b	d	c	