#### AMW

### PROVISIONAL ANSWER KEY [CBRT]

Name of The Post Associate Professor, Tuberculosis and Chest Diseases, General

State Service, Class-1 52/2019-20
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## Instructions / સૂયના

# Candidate must ensure compliance to the instructions mentioned below, else objections shall not be considered: -

- (1) All the suggestion should be submitted in prescribed format of suggestion sheet Physically.
- (2) Question wise suggestion to be submitted in the prescribed format (Suggestion Sheet) published on the website.
- (3) All suggestions are to be submitted with reference to the Master Question Paper with provisional answer key (Master Question Paper), published herewith on the website. Objections should be sent referring to the Question, Question No. & options of the Master Question Paper.
- (4) Suggestions regarding question nos. and options other than provisional answer key (Master Question Paper) shall not be considered.
- (5) Objections and answers suggested by the candidate should be in compliance with the responses given by him in his answer sheet. Objections shall not be considered, in case, if responses given in the answer sheet /response sheet and submitted suggestions are differed.
- (6) Objection for each question shall be made on separate sheet. Objection for more than one question in single sheet shall not be considered & treated as cancelled.

## ઉમેદવારે નીચેની સૂચનાઓનું પાલન કરવાની તકેદારી રાખવી, અન્યથા વાંધા-સૂચન અંગે કરેલ રજૂઆતો ધ્યાને લેવાશે નહીં

- (1) ઉમેદવારે વાંધા-સૂચનો નિયત કરવામાં આવેલ વાંધા-સૂચન પત્રકથી રજૂ કરવાના રહેશે.
- (2) ઉમેદવારે પ્રશ્નપ્રમાણે વાંધા-સૂચનો રજૂ કરવા વેબસાઈટ પર પ્રસિધ્ધ થયેલ નિયત વાંધા-સૂચન પત્રકના નમૂનાનો જ ઉપયોગ કરવો.
- (3) ઉમેદવારે પોતાને પરીક્ષામાં મળેલ પ્રશ્નપુસ્તિકામાં છપાયેલ પ્રશ્નક્રમાંક મુજબ વાંધા-સૂચનો રજૂ ન કરતા તમામ વાંધા-સૂચનો વેબસાઈટ પર પ્રસિધ્ધ થયેલ પ્રોવિઝનલ આન્સર કી (માસ્ટર પ્રશ્નપત્ર)ના પ્રશ્ન ક્રમાંક મુજબ અને તે સંદર્ભમાં રજૂ કરવા.
- (4) માસ્ટર પ્રશ્નપત્ર માં નિર્દિષ્ટ પ્રશ્ન અને વિકલ્પ સિવાયના વાંધા-સૂચન ધ્યાને લેવામાં આવશે નહીં.
- (5) ઉમેદવારે જે પ્રશ્નના વિકલ્પ પર વાંધો રજૂ કરેલ છે અને વિકલ્પ રૂપે જે જવાબ સૂચવેલ છે એ જવાબ ઉમેદવારે પોતાની ઉત્તરવહીમાં આપેલ હોવો જોઈએ. ઉમેદવારે સૂચવેલ જવાબ અને ઉત્તરવહીનો જવાબ ભિન્ન હશે તો ઉમેદવારે રજૂ કરેલ વાંધા-સૂચન ધ્યાનમાં લેવાશે નહીં.
- (6) એક પ્રશ્ન માટે એક જ વાંધા-સૂચન પત્રક વાપરવું. એક જ વાંધા-સૂચન પત્રકમાં એકથી વધારે પ્રશ્નોની રજૂઆત કરેલ હશે તો તે અંગેના વાંધા-સૂચનો ધ્યાને લેવાશે નહીં.

001.	Diffusing capacity of the lungs for carbon EXCEPT	monoxide (DLCO) is increased in all the following
	(A) Pulmonary alveolar haemorrhage	(B) Emphysema
	(C) Mueller maneuver	(D) Polycythaemia
002.	for human and animal mycology (ISHAM	ory for diagnosing ABPA under international society ) criteria
	(A) Total IgE >1000 IU/ml	
	(B) Eosinophils >500 cells/uL	
	(C) Radiological features consistent with A	ABPA
	(D) Central bronchiectasis	
003.	In tissue microscopy, acute angle branchin	g, septate, conidial head morphology is suggestive of
	(A) Cryptococcus neoformans	(B) Blastomyces dermatides
	C)Aspergillus sp	(D) Candida sp
004.	In patients with risk class IV in PSI scorin	ng system (91-130 points), the mortality rate is
	(A) 27%	<b>(B)</b> 9%
	(C) <b>0.9%</b>	(D) 1.25%
005.	Shorter MDR TB Regimen includes all exe	cept
	(A) Clofazimine	(B) Cycloserine
	(C) Ethambutol	(D) INH
006.	Following is not a milestone for 2020 in Er	nd TB strategy
	(A) Reduction in TB incidence by 25%	
	(B) 35% reduction of death by 2020	
	(C) Treat 40 million TB patients	
	(D) 100 % of TB patients not facing catast	rophic costs
007.	deterioration. In the medical ward she is nebulised salbutamol, intravenous aminoph of 30 breaths per minute and is alert. Arter	f COPD is admitted to hospital with respiratory tiring despite maximal medical treatment including nylline and corticosteroids. She has a respiratory rate ial blood gas analysis shows: pH 7.24, PaCO <sub>2</sub> 9.8 kPa Hg) on 40% oxygen. Mechanical ventilation is being ents is FALSE?
	(A) Ventilated COPD patients have lower patients.	r ICU survival rates than most other medical ICU
	(B) Noninvasive ventilation is appropriate	for this patient.
	(C) PaCO <sub>2</sub> is a better predictor of the need for mechanical ventilation than PaO <sub>2</sub> .	
	(D) Pre-admission health status is an impo	ortant determinant of survival.
008.	The commonest tumour seen in those expo	sed to Asbestos is
	(A) Bronchogenic Carcinoma	(B) Pulmonary lymphoma
	(C) Malignant Mesothelioma	(D) Benign Mesothelioma
009.	The dose of inhaled medication in a sever adult of same grade of severity is	n year old child with asthma when compared to an
	(A) One fourth of the adult dose	(B) Half of adult dose
	(C) Equal to that of adult dose	(D) Depends on the weight of the child

- 010. Silicosis is associated with all the following EXCEPT (A) Tuberculosis (B) COPD
  - (C) Malignangy
  - (C) Malignancy (D) Sarcoid like granulomas
- 011. Which of the following does not indicate poor prognosis in malignant pleural mesothelioma?
  - (A) Non-epithelial sub type
  - (B) Elevated LDH
  - (C) Increased lymphocyte to neutrophil ratio
  - **(D)** Thrombocytopenia
- 012. Which of the following has not been identified to be a factor that increases the chance for recurrence in case of a primary spontaneous pneumothorax?
  - (A) Radiographic evidence of pulmonary fibrosis
  - (B) Younger age of patient
  - (C) Presence of bullae in the chest X-ray
  - (D) Occurrence of complete atelectasis of lung due to the pneumothorax
- 013. Which of the following is not true for pleural effusion secondary to esophageal pathology?

(A) Perforation of the mid-oesophagus usually results in a left sided pleural effusion.

- (B) Low pleural fluid pH in oesophageal rupture is due to bacterial metabolism in the pleural space and not due to the acidity of the gastric contents.
- (C) Pleural effusion secondary to oesophageal rupture is associated with elevated levels of salivary amylase
- (D) Pleural effusion associated with sclerotherapy of oesophageal varices usually resolves spontaneously without intervention.
- 014. As per Global TB Report 2019, estimate of MDR/RR TB in new and previously treated TB cases is \_\_\_\_\_% & \_\_\_\_% respectively

(A) 2 & 16	<b>(B)</b> 3.4 & 18
(C) <b>3 &amp; 17</b>	(D) 2.4 & 17

- 015. According to 2019 ATS/IDSA CAP guidelines, the first option for outpatients without comorbidities or risk factors for resistant bacteria, the first option is
  - (A) Amoxycillin (B) Azithromycin
  - (C) Doxycycline (D) Amoxiclav

016. Metal fume fever is common in chronic poisoning with:

- (A) Thallium(B) Zinc(C) Aluminium(D) Arsenic017.A flow volume loop is shown with plateauing of the inspiratory loop only. The most likely cause is<br/>(A) Variable extrathoracic obstruction(B) Fixed intrathoracic obstruction
  - (C) Variable intrathoracic obstruction
- (D) Small airways narrowing

**(B)** Hydatid cyst

(D) Lung abscess

(B) Emphysema

(D) Muscle paralysis

- 018. PAIR procedure is used in the treatment of (A) Empyema
  - (C) Pulmonary amebiasis
  - (C) Pulmonary amediasis
- 019. Type III Respiratory failure is due to
  - (A) Hypoperfusion
    - (C) Atelectasis

020.	Adeno carcinoma lung shows TTF1 positivi	ty in
	(A) 90% of mucinous type	(B) 60% of mucinous type
	(C) Seen in all cases	(D) Seen only in 30% mucinous type
021.	Which of the following antibodies are not u	sually seen in paraneoplastic limbic encephalitis
	(A) Anti-HU	(B) Anti-CRMP5
	(C) Anti-MA	(D) Anti yo
022.	A malignancy is termed adenosquamous whe carcinoma component exceeds	en well differentiated adenocarcinoma and squamous
	(A) 10% of each component	
	(B) 20% of each	
	(C) 10% of adenocarcinoma and 20% squa	mous
	(D) At least 10% adenocarcinoma with at le	east 50% of rest being squamous carcinoma
023.	Necitumumab is a/an	
	(A) EGFR inhibitor	(B) RAF inhibitor
	(C) MEK inhibitor	(D) Mtor inhibitor
024.	Strongest predictor for EGFR mutation sta	tus is
	(A) Asian origin	(B) Female sex
	(C) Smoking History	(D) European origin
025.		embolus has been identified. Which of the following atients with positive test who have a pulmonary
	(A) Odds ratio	<b>(B)</b> Positive predictive value
	(C) Relative risk	(D) Sensitivity
026.	Principle of pulse oxymeter is	
	(A) Starlings law	(B) Laplace law
	(C) Beer's law	(D) None of the above
027.	Oxygenation index is	
	(A) (mean airway pressure $\times$ FiO <sub>2</sub> ) $\div$ PaO <sub>2</sub>	× 100
	(B) (mean airway pressure × PaO <sub>2</sub> ) ÷ FiO <sub>2</sub> × 100	
	(C) (mean airway pressure + $PaO_2$ ) ÷ FiO <sub>2</sub>	× 100
	(D) (mean airway pressure + $FiO_2$ ) $\div$ Pa $O_2$	× 100
028.	Mallampati class 1 is	
	(A) Soft palate, fauces, uvula and tonsilar p	illars visible
	(B) Soft palate, fauces and uvula visible	
	(C) Soft palate and base of uvula visible	
	(D) Soft palate only visible	
029.	Preferred position for visualization of the ve	ocal cord is
	(A) Sitting position	<b>(B)</b> Sniffing position
	(C) Rose's position	(D) None of the above

030.	Which of the following is not a feature of	SIRS
	(A) Temperature > 38°C	(B) Temperature < 36°C
	(C) Heart rate < 90 beats /min	(D) Respiratory rate > 20 breaths per min
031.	The late phase of ARDS is characterized	by all of the following except
	(A) Increased dead space fraction	(B) Pulmonary hypertension
	(C) Increased lung compliance	(D) High minute ventilation requirement
032.	Diffuse alveolar damage is caused by	
	(A) Pneumonia	(B) Near Drowning
	(C) Both (A) and (B)	(D) None of the above
033.	Shock lung is characterized by	
	(A) Alveolar proteinosis	(B) Diffuse interstitial inflammation
	(C) Diffuse pulmonary hemorrhage	<b>(D)</b> Diffuse alveolar damage
034.	True statement regarding ARDS	
	(A) Hall mark of ARDS is hypoxemia tha	t is resistant to oxygen therapy
	(B) Large right to left shunt	
	(C) Non cardiogenic pulmonary edema	
	<b>(D)</b> All of the above	
035.	Most common extrapulmonary cause of A	ARDS
	(A) Burns	(B) Pancreatitis
	(C) Transfusion	(D) Sepsis
036.	Auto PEEP refers to	
	(A) Positive pressure within the alveoli at ventilator	the end of expiration that has not been generated by
	(B) Negative pressure within the alveoli a ventilator	t the end of expiration that has not been generated by
	(C) Negative pressure within the alveoli a ventilator	t the end of inspiration that has not been generated by
	(D) Positive pressure within the alveoli at ventilator	the end of inspiration that has not been generated by
037.	What is the PO <sub>2</sub> (in mm Hg) of moist ins (assume pressure is 247 mm Hg)?	spired gas of a climber on the summit of Mt. Everest
	(A) <b>32</b>	<b>(B)</b> 42
	(C) 52	(D) 62
038.	Using Fick's law of diffusion of gases thro times as dense as gas Y, what is the ratio	ough a tissue slice, if gas X is 4 times as soluble and 4 of the diffusion rates of X to Y?
	(A) 0.25	(B) <b>0</b> .5
	(C) 2	(D) 4
039.	Which among the following is not an AII	DS defining diagnosis?
	(A) Pneumocystis pneumonia	(B) Tuberculosis
	(C) Histoplasmosis	(D) Coccidioidomycosis

040.	The technique used to measure airway resist	ance is	
	(A) Pressure flow technique	<b>(B)</b> Body plethysmograph interrupter technique	
	(C) End-inspiratory	(D) Oscillating air flow	
041.	Mechanism of action of phosphodiesterase in	hibitors	
	(A) It promotes breakdown of cAMP	(B) It prevents breakdown of cAMP	
	(C) It increases cAMP	(D) It inactivates cAMP	
042.	Monte disease is		
	(A) Acute mountain sickness	(B) Chronic mountain sickness	
	(C) High altitude pulmonary oedema	(D) Sea sickness	
043.	Which of the following statements is false reg with respiratory disease?	arding assessing the safety of air travel in patients	
	(A) Previous air travel intolerance with sig evaluation	gnificant respiratory symptoms requires further	
	(B) Oxygen is not required if $PaO_2 \ge 50 \text{ mm}$	Hg	
	(C) Major hemoptysis is a contraindication f	or commercial air travel	
	<b>(D)</b> Oxygen requirement at sea level at a flow	rate of 2L/min is a contraindication to air travel.	
044.	Concerning the single-breath nitrogen test for	r uneven ventilation:	
	(A) The slope of the alveolar plateau is reduced in chronic bronchitis compared with normal.		
	(B) The slope occurs because well-ventilated units empty later in expiration than do poorly ventilated units.		
	(C) The last exhaled gas comes from the base	of the lung.	
	(D) A similar procedure can be used to measure	ire the anatomic dead space.	
045.	Concerning acclimatization to high altitude:		
	(A) Hyperventilation is of little value		
	(B) Polycythemia occurs rapidly		
	(C) There is a rightward shift of the O <sub>2</sub> disso	ociation curve at extreme altitudes	
	(D) Changes in oxidative enzymes occur insid	le muscle cells	
046.	Concerning the central chemoreceptors:		
	(A) They are located near the dorsal surface	of the medulla.	
	(B) They respond to both the $PCO_2$ and the $PO_2$ of the blood.		
	<b>(C)</b> They are activated by changes in the pH of the surrounding extracellular fluid.		
	(D) For a given rise in PCO <sub>2</sub> , the pH of cerel	prospinal fluid falls less than does that of blood.	
047.	Concerning the pressure-volume behaviour of the lung:		
	(A) Compliance decreases with age.		
	(B) Filling an animal lung with saline decreases compliance.		
	<b>(C)</b> Removing a lobe reduces total pulmonar	y compliance.	
	(D) Absence of surfactant increases complian	ice.	
048.	Regular use of SABA is associated with follow	wing adverse effect except	
	(A) Decreased broncho protection	(B) Receptor down regulation	
	(C) Increased allergic response	<b>(D)</b> None of the above	

049.	Dispensing of canister per year is a	associated with higher risk of death
	$(A) \ge 6$	(B)≥10
	$(\mathbf{C}) \ge 8$	<b>(D)</b> None of the above
050.	STEP 1 controller medication in asthma	
	(A) As needed low dose ICS-formoterol	(B) Low dose ICS when SABA is not effective
	(C) As needed in SABA	(D) Both (A) and (B)
051.	STEP 4 controller medication in adult asth	
	(A) Low dose corticosteroid	(B) High dose ICS
	(C) Medium dose ICS + LTRA	<b>(D)</b> High dose ICS add on tiotropium
052.	Preferred STEP 5 reliever medication in ad	
	(A) As needed medium dose ICS + formoter	
	(B) As needed low dose ICS + formoterol	
	(C) As needed OCS + formoterol	
	(D) As needed medium dose ICS + salmeter	ol
053.	Factors which predict good asthma response	
	(A) Blood eosinophil $\geq 260$ per micro litre	<b>(B)</b> FeNO $\leq 20$ ppb
	(C) Allergen driven symptoms	(D) Childhood onset asthma
054.	COPD patient who continues smoking have	an additional loss of FEV1 per year
	(A) 5 ml	<b>(B)</b> 7 ml
	(C) 10 ml	(D) 15 ml
055.	Severe alpha 1 AT deficiency usually may re	esult in
	(A) COPD	(B) Panniculitis
	(C) Cirrhosis	(D) All of the above
056.	Most potent [on molar basis] euphoria indu	cing agent among the following
	(A) Cocaine	(B) Nicotine
	(C) Amphetamine	(D) Morphine
057.	Bleb is	
	(A) Collection of air within the visceral pleu	ira
	(B) Confined by connective tissue septa with	hin the lungs
	(C) Epithelial lined cavities	
	(D) None of the above	
058.	Which among the following is a secondary	bulla
	(A) Vanishing lung syndrome	(B) Single giant bulla
	(C) Bullous lung disease	<b>(D)</b> None of the above
059.	Contraindication for classical bullectomy	_
	(A) Age < 50 years	<b>(B)</b> > 10 % weight loss
	(C) FEV < 50%	(D) Ex-smoker
060.	Sweat glands of patient with cystic fibrosis	
	(A) histologic changes	<b>(B)</b> functional abnormalities
	(C) Both (A) and (B)	(D) None of the above

061.	FeNO is not elevated in	
	(A) Atopy	(B) Allergic rhinitis
	<b>(C)</b> Neutrophilic asthma	(D) Eczema
062.	Adult onset asthma is characterised by all ex	cept
	(A) positive skin prick test	(B) aspirin sensitivity
	(C) nasal polyps	(D) All of the above
063.	Drugs that worsen asthma are all except	
	(A) Beta blockers	(B) ACE inhibitor
	(C) Aspirin	(D) Angiotensin receptor blockers
064.	All about pressurised MDI are correct excep	t
	(A) High oropharyngeal deposition	<b>(B)</b> Easy hand mouth co-ordination
	(C) Propellant may cause cold Freon effect	(D) Difficult to assess empty canister
065.	All of the following are recommended for the	e treatment of asthma exacerbation except
	(A) Inhaled SABA	(B) Controlled O <sub>2</sub> therapy
	(C) Systemic steroid	(D) Antibiotic
066.	Least responsive to inhaled cortico steroid	
	(A) Allergic asthma	(B) Non allergic asthma
	(C) Adult onset asthma	(D) Asthma with obesity
067.	• • •	ith episodic attacks of breathlessness over last 15 K-ray demonstrated perihilar bronchiectasis. What
	(A) IPF	(B) ABPA
	(C) Extrinsic allergic alveolitis	(D) Sarcoidosis
068.	Side effect of salbutamol	
	(A) Hypokalemia	(B) Hypophosphatemia
	(C) Inappropriate ADH secretion	(D) Hyponatremia
069.	All of the following are clinical features of ni	cotine withdrawal except
	(A) Insomnia	(B) Weight loss
	(C) Depression	(D) Difficulty in concentrating
070.	All of the following are features of obstructiv	ve bronchiolitis except
	(A) Onset at younger age	(B) H/o acute fume exposure
	(C) Seen after lung transplantation	<b>(D)</b> CT on expiration shows hyper dense area
071.	All are long acting beta 2 agonist except	
	(A) Indacaterol	(B) Arformoterol
	(C) Olodaterol	(D) Albuterol
072.	LAMA having 24 hour action	
	(A) Oxitropium	(B) Glycopyronium
	(C) Acledinium bromide	(D) Umiclidinium

073.	In COPD, ICS can be initiated in combi situations except	nation with long acting bronchodilators in the following
	(A) H/o hospitalization for exacerbation	of COPD
	(B) Repeated pneumonia event	
	(C) Blood eosinophil > 300 cells / microl	liter
	(D) H/o concomitant asthma	
074.	Monitoring of physical activity can be c	onducted using
071	(A) Accelerometer	(B) Speedometer
	(C) Manometer	(D) Oscillometer
075.	Which vitamin is useful in reducing CO	
0701	(A) Vitamin C	(B) Vitamin D
	(C) Thiamine	(D) Biotin
076.	Long term O <sub>2</sub> therapy means, administ	
0.00	(A) > 15 hours / day	(B) 10 - 15 hour / day
	(C) 6 - 12 hours / day	(D) None of the above
077.	•	with severe chronic resting arterial hypoxemia
	(A) LABA + LAMA + ICS	(B) Long term O <sub>2</sub> therapy
	(C) NIV	(D) None of the above
078.	The median survival for lung transplant	
	(A) 7 yrs in bilateral lung transplant and 5 yrs in single lung transplant	
	(B) 5 yrs in bilateral lung transplant and	
	(C) 7 yrs in bilateral lung transplant an	
	(D) 10 yrs in bilateral lung transplant a	
079.	Indication for ICU admission for COPE	
	(A) Severe dyspnoea unresponsive to in	
	(B) Need for sedation or narcotic pain c	
	<b>(C)</b> Severe COPD	
	(D) Change in mental status	
080.	Most common cause of secondary spon	taneous pneumothorax
	(A) COPD	(B) Chronic asthma
	(C) Pulmonary TB	(D) ILD
081.	LVRS can be performed in COPD patie	nt with
	(A) FEV1 < 20%	
	(B) Homogenous disease	
	(C) Lower lobe disease and low exercise	capacity
	(D) Both (A) and (C)	
082.	Which is not an indication for inhaled c	ortico steroid
	(A) COPD	(B) Asthma
	(C) Ulcerative colitis	<b>(D)</b> None of the above

083.	% of patients presenting with haemopty	sis in bronchiectasis
	(A) <b>20 - 40</b>	(B) 30 - 50
	(C) 60 - 90	<b>(D)</b> 40 - 70
084.	Organism which causes bronchiectasis	
	(A) Strep. Pneumonia	(B) Moraxella
	(C) H. Influenza	(D) Staph. Aureus
085.	Which is probably not an etiology for b	ronchiectasis
	(A) PTB	(B) Aspiration
	(C) COPD	(D) Rheumatoid arthritis
086.	Dose of astreonam aerosol in CF-bronch	niectasis
	(A) 75 mg BD	(B) 75 mg tid
	(C) 150 mg BD	(D) 150 mg tid
087.	Dose of oral prednisone in ABPA	
	(A) 0.05 - 0.1 mg/kg/day	(B) 0.1 - 0.5 mg/kg/day
	<b>(C)</b> 0.5 - 1 mg/kg/day	(D) None of the above
088.	Roflumilast is a	
	(A) PDE4 inhibitor	(B) PDE5 inhibitor
	(C) IL5 inhibitor	(D) IL4 inhibitor
089.	Which one is not the feature of Kartage	ner's syndrome
	(A) Infertility	<b>(B)</b> Mental retardation
	(C) Bronchiectasis	(D) Dextrocardia
090.	During sleep apnoea there occurs a temp	porary pause in breathing for
	(A) 30s	(B) 20s
	(C) 40s	(D) 10s
091.	Transitional bronchiole is	
	(A) gen 14	(B) gen 15
	(C) gen 16	(D) gen 17
092.	Marker of type 1 cells	
	(A) sp A	(B) CD 44
	(C) Alkaline phosphates	(D) Aquaporin 5
093.	Major population of human pulmonary	parenchyma consists of
	(A) Alveolar epithelial cells	(B) Endothelium
	<b>(C)</b> Interstitial cells	(D) Alveolar macrophages
094.	Which of the following is not a muscle o	f respiration
	(A) Trapezius	(B) Levator scapulae
	(C) Rectus Abdominis	<b>(D)</b> Transverse abdominis
095.	Which of the following surface protein a	acts as opsoniser & has a role in host defense in lungs
	(A) sp A & D	(B) sp C & B
	(C) sp A & C	(D) sp B & D

096.	Bronchial artery supplies up to	
	(A) Terminal bronchiole	(B) Respiratory bronchiole
	(C) Alveolus	(D) Secondary bronchus.
097.	Nexin link is also known as	
	(A) Dyenin Regulatory Complex	(B) Outer dyenin arms
	(C) Intermediate link	(D) Radial spokes
098.	Left superior intercostal vein drains into	
	(A) Azygous vein	(B) Hemiazygous vein
	(C) Innominate vein	(D) Left brachiocephalic vein
099.	The class of CFTR mutation in f508	
	(A) Class 1	(B) Class 2
	(C) Class 3	(D) Class 4
100.	Amino acid involved in most common Cl	<b>TR mutation</b>
	(A) Phenylalanine	(B) Tyrosine
	(C) Leucine	(D) Isoleucine
101.	Which of the following is an autosomal de	ominant lung disease
	(A) cystic fibrosis	(B) alpha-1 antitrypsin deficiency
	(C) primary ciliary dyskinesia	(D) IPF
102.	Most common site of lung abscess	
	(A) superior segment of right upper lobe	
	(B) posterior segment of right upper lobe	
	(C) posterior basal segment of right Lowe	er lobe
	(D) medial segment of middle lobe	
103.	Asbestos variant having least carcinogen	ic potential
	(A) crocidolite	(B) amosite
	(C) anthrophyllite	(D) chrysolite
104.	BAP I syndrome is associated with all exe	cept
	(A) inactivation of nuclear deubiquitinase	
	(B) uveal melanoma is the most common	tumour associated with BAP I syndrome
	(C) carries slow acetylation type of NAT-2	2 gene
	(D) malignant melanoma of the membran than pleura	e lining abdomen and peritoneum are more common
105.	Which of the following pleural fluid stud	y is not representative of exudative effusion
	(A) Pleural fluid protein > 2.9 g/dl	
	(B) PF/serum LDH ratio ≥ 0.6	
	(C) Pleural fluid cholesterol > 45 mg/dl	
	(D) PF LDH >2/3rd of the upper limit of	laboratory normal serum LDH
106.	Structure passing through the central ter	ndon of diaphragm
	(A) Esophagus	(B) Right phrenic nerve
	(C) Subcostal nerve	(D) Left phrenic nerve

107.	Anterior intercostal artery is a branch of		
	(A) internal mammary artery	(B) direct branch of aorta	
	(C) posterior intercostal artery	(D) subclavian artery	
108.			
	(A) bronchus	(B) pulmonary artery	
	(C) pulmonary vein	(D) bronchial artery	
109.	Surface marking of oblique fissure of lung i	nclude all except	
	(A) T2	(B) 4th rib	
	(C) 5th rib	(D) 6th costal cartilage	
110.	Which of the following is not true regarding	g pleural effusion associated with heart failure	
	(A) Serum assay of NT-pro BNP is more acc	urate than protein or albumin based testing	
	B) Pleural fluid NT-pro BNP >400 pg/ml - C	CHF related	
	(C) pleural fluid assay of NT-pro BNP have	no advantage over serum NT-pro BNP	
	(D) PF/S albumin gradient >1.2 g/dl - CHF i	related	
111.	First stage of lung development is		
	(A) pseudo glandular	(B) tubular	
	(C) alveolar	(D) canalicular	
112.	Not true regarding parapneumonic effusion		
	(A) Occurs in 29 - 57% of hospital admitted	patients of CAP	
	(B) Initially sterile		
	(C) Bacterial invasion in pleural fluid produ	ces fibrin	
	(D) Most common cause of pleural effusion		
113.	Viral oncogene associated with malignant n	nesothelioma	
	(A) Simian virus 40	(B) HTLV 1 & 2	
	(C) EBV	(D) Adenovirus	
114.	Searles and McKendry diagnostic criteria is u to?	sed for diagnosis of pulmonary involvement related	
	(A) Amiodarone	(B) Methotrexate	
	(C) Cyclophosphamide	(D) Bleomycin	
115.	Radiation recall phenomenon is caused by _	?	
	(A) Bleomycin	(B) Busulfan	
	C Actinomycin D	(D) Mitomycin C	
116.	Predominant cell in BAL of Hypersensitivity	y Pneumonitis?	
	(A) Macrophages	(B) Lymphocytes	
	(C) Neutrophils	(D) Eosinophils	
117.	Aldolase is elevated in?		
	(A) Systemic sclerosis	(B) Sjogren syndrome	
	C) PM-DM	(D) Sarcoidosis	
118.	Drugs implicated in ILD include ?		
	(A) BCG	(B) NSAID	
	(C) Talc	<b>(D)</b> All of the above	

119.	Alveolar microlithiasis is associated with mutation in	
	(A) Type 2b sodium phosphate cotranspoter gene	
	(B) Type 5 Na phosphate cotransporter	
	(C) Ca-ATPase	
	(D) Na-K-Cl cotransporter	
120.	Castleman's disease involves	
	(A) anterior mediastinum	(B) posterior mediastinum
	<b>(C)</b> anterior and middle	(D) middle and posterior
121.	Naclerio's V sign is seen in?	
	(A) Sjogren syndrome	(B) PM-DM
	(C) Empyema	<b>(D)</b> Pneumomediastinum
122.	Most Common site of granulomatous mediastinitis?	
	(A) Hilar	(B) R paratracheal
	(C) Subcarinal	(D) L paratracheal
123.	All are structures in middle compartme	nt of mediastinum except?
	(A) Phrenic nerve	(B) Vagus nerve
	(C) Heart	(D) Superior and inferior venacava
124.	False about RA-ILD is	
	(A) M:F=3:1	(B) High titre of RF
	(C) Seen in smokers	(D) Seen in individuals with early onset disease
125.	Average decline in PEFR with ageing in	men is?
	(A) 4 L/min/yr	(B) 2.5 L/min/yr
	(C) 3.5 L/min/yr	(D) 3 L/min/yr
126.	Pleuroperitoneal membrane forms prim	itive diaphragm at wks of development?
	(A) <b>3</b>	<b>(B)</b> 7
	(C) 4	(D) 6
127.	Common genetic predisposition in RA and Diffuse panbronchiolitis is	
	(A) HLA DR3	(B) HLA DR5
	(C) HLA DR4	(D) HLA DR2
128.	Choose the correct statement	
120.	(A) Presence of diabetes insipidus in LCH indicate poor prognosis	
	(B) Baseline GAP stage predict rate of future pulmonary function decline	
	(C) Birbeck granule is seen in LAM	
	(D) LAM occurs commonly in males	
129.	Hamman rich syndrome is	
	(A) AIP	<b>(B) AEP</b>
	(C) COP	(D) LIP
130.	Pleural fluid ANA > is very suggestive of lupus pleuritis	
	(A) 1:80	(B) 1:240
	(C) 1:160	(D) 1:320

131. "Probable UIP" in HRCT includes all except		t	
	(A) Basal predominance	(B) Traction bronchiectasis	
	(C) Ground glass opacities	(D) Honeycombing	
132.	Antibody in Systemic sclerosis associated Pu	Antibody in Systemic sclerosis associated Pulmonary hypertension is	
	(A) Anti-Scl70	(B) Anticentromere	
	(C) RNP	(D) Sm	
133.	Risk factors for bleomycin toxicity are all except		
	(A) higher cumulative dose correlate with toxicity		
	(B) exposure to high concentration of oxygen has synergistic effect		
	(C) smoking confers increased risk		
	<b>D</b> coadministration of hepatotoxic drugs increase risk of toxicity		
134.	Most common side effect of nintedanib		
	(A) Vomiting	(B) Nausea	
	(C) Diarrhea	(D) Photosensitivity	
135.	Smoking related ILD includes all except?		
	(A) DIP	(B) RB-ILD	
	(C) HSP	(D) IPF	
136.	Smoker's macrophages is a pathologic hallmark in		
	(A) RB-ILD	(B) IPF	
	(C) LCH	(D) COP	
137.	Wrong statement regarding COP is		
	(A) Pathologic hallmark is whorls of myofibroblast and inflammatory cells in connective tissue matrix		
	(B) Frequently encountered manifestation in drug induced ILD		
	(C) Smokers are affected more frequently		
	(D) BAL reveals significant accumulation of macrophages		
138.	Langerin is antibody against		
	(A) CD1a	(B) CD100	
	(C) CD207	(D) <b>S100</b>	
139.	Differentiation syndrome is caused by		
	(A) NSAID	(B) Cyclophosphamide	
	(C) Actinomycin D	<b>(D)</b> All trans retinoic acid	
140.	Abundant alveolar macrophages with "foam	y cytoplasm" in BAL is seen associated with	
	(A) amiodarone	(B) methotrexate	
	(C) bleomycin	(D) busulfan	
141. Lofgren syndrome is associated with all except		pt	
	(A) fever	(B) uveitis	
	(C) hilar adenopathy	<b>(D)</b> facial nerve palsy	

142.	2. Contraindications for 6 minute walk test (6MWT) include		
	(A) Myocardial infarction within one MONTH		
	(B) Resting tachycardia >100		
	(C) Systolic BP >180		
	(D) Diastolic BP >100		
143.	Choose the correct statement		
	(A) In IPF a fall from baseline of ≥ 15% FVC or ≥ 10% TLCO in 1 <sup>st</sup> 6 - 12months identifies patients with much higher mortality		
	(B) Desaturation during 6 MWT at presentation is stronger prognostic determinant in IPF than resting lung function		
	(C) In sarcoidosis 0.75-1mg/kg steroid over 6 - 12 months is given		
	(D) Transplant referral should be made if dis	(D) Transplant referral should be made if disease is advanced, TLCO < 45%	
144.	Beaded septum sign is seen in		
	(A) Sarcoidosis	(B) Sjogren	
	(C) SLE	(D) RA	
145.	Which of the following drugs targets MET gene?		
	(A) AFATINIB	(B) Foretinib	
	(C) Sorafenib	(D) Panitumumab	
146.	The T790M mutation in EGFR kinase confers drug resistance		
	(A) By decreasing the receptors affinity for ATP at the ATP binding pocket.		
	<b>(B)</b> By increasing the receptors affinity for ATP at the ATP binding pocket.		
	(C) By decreasing binding of EGFR TKIs		
	(D) By blocking binding of EGFR TKIs.		
147.	Which of the following is not a potential carcinogenic content in tobacco?		
	(A) Chromium	(B) Arsenic	
	(C) NNK	(D) Nickel	
148.	Pattern of calcification which suggests malignancy?		
	(A) Diffuse	(B) Eccentric	
	(C) Popcorn	(D) Laminated	
149.	A 60 year old male ex smoker is found to have a solid nodule as an incidental finding on chest CT. The size of nodule is 6mm. Patient is not having any symptoms. What is the next step?		
	(A) No follow up needed	(B) CT at 3 months	
	<b>(C)</b> CT at 6 - 12 months	(D) CT at 12 months	
150.	Which of the following paraneoplastic neurologic syndromes in small cell lung cancer is not associated with anti Hu antibodies?		
	(A) Limbic encephalitis	<b>(B)</b> Lambert Eaton syndrome	
	(C) Paraneoplastic cerebellar degeneration	(D) Autonomic neuropathy	
151.	Karnofsky performance status scale score 70 corresponds to		
	(A) ECOG score 0	(B) ECOG score 1	
	(C) ECOG score 2	(D) ECOG score 3	

152.	2. Most common cause of Pancoast syndrome is	
	(A) Non small cell lung cancer	(B) Small cell lung cancer
	(C) Mesothelioma	(D) None of the above
153.	Hypercalcemia of malignancy is most com	nmonly associated with
	(A) Squamous cell carcinoma	(B) Small cell carcinoma
	(C) Adenocarcinoma	(D) Metastasis
154.	What is the sensitivity of bronchoscopic b	iopsy in a directly visualized endobronchial tumour
	(A) 72%	<b>(B)</b> 74%
	(C) 76%	(D) 78%
155.	Which of the following is not a positive immuno histo chemical marker for lung adenocarcinoma	
	(A) Cytokeratin 7	(B) Napsin
	(C) Thyroid transcription factor 1	(D) PAX 2
156.	Immuno histo chemical marker which is p	oositive in >95% squamous cell carcinoma
	(A) CK7	(B) TTF1
	(C) Napsin A	<b>(D)</b> 34β€12
157.	Locus of RB gene	
	(A) 13q14	(B) 13p14
	(C) 11q14	(D) 11p14
158.	Inflammatory myofibroblastc tumour is more common in	
	(A) Male	(B) Female
	(C) Equal in both sexes	<b>(D)</b> No gender predilection
159.	Most common benign tumour of lung	
	(A) Chondroma	(B) Alveolar adenoma
	(C) Hamartoma	(D) Bronchial cystadenoma
160.	Which of the following is not included in	Carneys triad?
	(A) Pulmonary chondroma	(B) Gastric stromal sarcoma
	(C) Extra adrenal paraganglioma	<b>(D)</b> Adrenal paraganglioma
161.	Immuno histo chemical marker which is st	trongly positive for Benign metastasizing leiomyoma?
	(A) CD117	(B) SMA
	(C) ER	(D) PR
162.	Paraneoplastic manifestation which is not	seen in small cell carcinoma?
	(A) Hyponatremia of encephalopathy	(B) Acromegaly
	(C) Thrombocytosis	(D) Granulocytosis
163.	Which of the following is not a marker of	alveolar epithelial cells type II?
	(A) SP A	(B) SP D
	(C) Maclura pomifera	<b>(D)</b> Caveolin 1
164.	The muscle which is recruited during expi	
	(A) Erector spinae	(B) Abdominal muscles
	(C) Triangularis sterni	(D) Sternohyoid

<ul> <li>(B) In zone 2, flow is determined by difference between arterial and venous press (C) Gravity has no effect on blood flow.</li> <li>(D) In zone 3, flow is determined by difference between alveolar and arterial prossion of the second seco</li></ul>	165.	65. Main source of rhythmic excitation driving inspiratory premotor neurons is	
<ul> <li>166. Which of the following is not a mast cell mediator? <ul> <li>(A) Histamine</li> <li>(B) Arylsulfatase</li> <li>(C) Collagenase</li> <li>(D) Carboxypeptidase A</li> </ul> </li> <li>167. Anatomic dead space is measured using <ul> <li>(A) Bohr's method</li> <li>(B) Fowler's method</li> <li>(C) Haldane's method</li> <li>(D) Gustav's method</li> </ul> </li> <li>168. Which of the following statement is true regarding blood flow in lung zones? <ul> <li>(A) In zone 2, flow is determined by difference between alveolar and arterial prediction blood flow.</li> <li>(D) Gravity has no effect on blood flow.</li> <li>(D) In zone 3, flow is determined by difference between alveolar and arterial prediction?</li> <li>(A) Angiotensin 1</li> <li>(B) Serotonin</li> <li>(C) PGE2</li> <li>(D) PGA2</li> </ul> </li> <li>170. Apneustic centre is located in <ul> <li>(A) Upper pons</li> <li>(C) Dorsal medulla</li> <li>(D) Ventral medulla</li> </ul> </li> <li>171. Lung clastic recoil and chest wall elastic recoil balance at <ul> <li>(A) ERV</li> <li>(B) FRC</li> <li>(C) RV</li> <li>(D) TLC</li> </ul> </li> <li>172. Surfactant consists of <ul> <li>(A) 90% proteins and 10% phospholipids</li> <li>(B) 90% phospholipids and 10% p</li> <li>(C) Stretch reflex</li> <li>(D) beflation reflex</li> <li>(D) beflation reflex</li> <li>(C) Stretch reflex</li> <li>(D) Deflation reflex</li> <li>(D) Peaks of phase 3</li> </ul> </li> <li>175. Repeated episodes of apnoea in the absence of respiratory muscle effort <ul> <li>(A) OSA</li> <li>(B) Peak of phase 3</li> </ul> </li> <li>175. Repeated episodes of apnoea in the absence of respiratory muscle effort <ul> <li>(A) OSA</li> <li>(B) reating schem and chemical proving</li> <li>(A) Inspiration</li> <li>(B) Early expiration</li> </ul> </li> </ul>		(A) Kolliker fuse nuclei	(B) Parabrachial nuclei
(A) Histamine       (B) Arylsulfatase         (C) Collagenase       (D) Carboxypeptidase A         167.       Anatomic dead space is measured using         (A) Bohr's method       (B) Fowler's method         (C) Haldane's method       (D) Gustav's method         168.       Which of the following statement is true regarding blood flow in lung zones?         (A) In zone 2, flow is determined by difference between alveolar and arterial pre         (B) In zone 2, flow is determined by difference between alveolar and arterial pre         (B) In zone 3, flow is determined by difference between alveolar and arterial pre         (B) In zone 3, flow is determined by difference between alveolar and arterial pre         (B) Substance which is not metabolised in pulmonary circulation?         (A) Angiotensin 1       (B) Serotonin         (C) PGE2       (D) PGA2         170.       Apneustic centre is located in         (A) Upper pons       (B) Lower pons         (C) Dorsal medulla       (D) Ventral medulla         171.       Lung elastic recoil and chest wall elastic recoil balance at         (A) Pgw proteins and 10% phospholipids       (B) 90% phospholipids and 10% p         (C) RV       (D) TLC         172.       Surfactant consists of         (A) 90% proteins and 20% phospholipids       (D) Nethosphas 1         (		(C) Botzinger nuclei	<b>(D)</b> Pre botzinger complex
Collagenase       (D) Carboxypeptidase A         167.       Anatomic dead space is measured using         (A) Bohr's method       (D) Gustav's method         (C) Haldane's method       (D) Gustav's method         168.       Which of the following statement is true regarding blood flow in lung zones?         (A) In zone 2, flow is determined by difference between alveolar and arterial pression.         (B) In zone 2, flow is determined by difference between alveolar and arterial pression.         (D) In zone 3, flow is determined by difference between alveolar and arterial pression.         (D) In zone 3, flow is determined by difference between alveolar and arterial pression.         (C) PGE2       (D) PGA2         170.       Apneustic centre is located in         (A) Upper pons       (D) Ventral medulla         (C) RV       (D) TLC         171.       Lung elastic recoil and chest wall elastic recoil balance at         (A) ERV       (B) FRC         (C) RV       (D) TLC         172.       Surfactant consists of         (C) Stretch reflex       (D) 80% phospholipids and 10% p         (D) 80% proteins and 20% phospholipids       (D) 80% phospholipids and 20% p         173.       Reversal of inflation reflex is known as       (D) Pelak of phase 1         (C) Stretch reflex       (D) Deflation reflex	166.	Which of the following is not a mast cell me	diator?
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<ul> <li>(A) Bohr's method</li> <li>(B) Fowler's method</li> <li>(C) Haldane's method</li> <li>(D) Gustav's method</li> <li>(E) Haldane's method</li> <li>(D) Gustav's method</li> <li>(E) Haldane's method</li> <li>(D) Gustav's method</li> <li>(E) In zone 2, flow is determined by difference between alveolar and arterial pretion B) In zone 3, flow is determined by difference between alveolar and arterial pretion B) In zone 3, flow is determined by difference between alveolar and arterial pretion B) In zone 3, flow is determined by difference between alveolar and arterial pretion B) In zone 3, flow is determined by difference between alveolar and arterial pretion B) In zone 3, flow is determined by difference between alveolar and arterial pretion B) In zone 3, flow is determined by difference between alveolar and arterial pretion B) In zone 3, flow is determined by difference between alveolar and arterial pretion B) In zone 3, flow is determined by difference between alveolar and arterial pretion B) In zone 3, flow is determined by difference between alveolar and arterial pretion B) In zone 3, flow is determined by difference between alveolar and arterial pretion B) of C Gravity has no effect on blood flow.</li> <li>(D) In zone 3, flow is determined by difference between alveolar and arterial pretion B) of C Gravity has no effect on blood flow.</li> <li>(D) Dorsal medulla</li> <li>(D) Ventral medulla</li> <li>(D) TLC</li> <li>(C) RV</li> <li>(D) TLC</li> <li>(D) 80% proteins and 10% phospholipids</li> <li>(D) 80% phospholipids and 10% proteins and 20% phospholipids</li> <li>(D) 80% phospholipids and 20% phospholipids</li> <li>(D) 80% phospholipids and 20% phospholipids</li> <li>(D) Deflation reflex</li> <li>(A) Baroreceptor reflex</li> <li>(B) Peak of phase 1</li> <li>(C) Phase 3</li> <li>(D) Peak of phase 3</li> <li>(D) Peak of phase 3</li> <li>(D) All of the above</li> &lt;</ul>		(C) Collagenase	(D) Carboxypeptidase A
<ul> <li>(C) Haldane's method</li> <li>(D) Gustav's method</li> <li>168. Which of the following statement is true regarding blood flow in lung zones?</li> <li>(A) In zone 2, flow is determined by difference between alveolar and arterial prediction (C) Gravity has no effect on blood flow.</li> <li>(D) In zone 3, flow is determined by difference between alveolar and arterial prediction?</li> <li>(A) Angiotensin 1</li> <li>(B) Serotonin</li> <li>(C) PGE2</li> <li>(D) PGA2</li> </ul> 170. Apneustic centre is located in <ul> <li>(A) Upper pons</li> <li>(C) Dorsal medulla</li> <li>(D) Ventral medulla</li> </ul> 171. Lung elastic recoil and chest wall elastic recoil balance at <ul> <li>(A) 90% proteins and 10% phospholipids</li> <li>(D) S0% phospholipids and 20% phospholipids</li> <li>(D) S0% proteins and 20% phospholipids</li> <li>(D) S0% proteins and 20% phospholipids</li> <li>(D) Deflation reflex</li> <li>(C) Stretch reflex</li> <li>(D) Deflation reflex 3</li> <li>(D) Peak of phase 3</li> <li>(C) Phase 3</li> <li>(D) Peak of phase 3</li> <li>(D) Peak of phase 3</li> <li>(D) Peatients with OSA have more airway narrowing during</li> <li>(A) Inspiration</li> <li>(B) Early expiration</li> </ul>	167.	Anatomic dead space is measured using	
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▲ In zone 2, flow is determined by difference between alveolar and arterial prefix         (B) In zone 2, flow is determined by difference between arterial and venous press         (C) Gravity has no effect on blood flow.         (D) In zone 3, flow is determined by difference between alveolar and arterial prefix         169.       Substance which is not metabolised in pulmonary circulation?         (A) Angiotensin 1       (B) Serotonin         (C) PGE2       (D) PGA2         170.       Apneustic centre is located in         (A) Upper pons       (B) Lower pons         (C) Dorsal medulla       (D) Ventral medulla         171.       Lung elastic recoil and chest wall elastic recoil balance at         (A) 90% proteins and 10% phospholipids       (B) 90% phospholipids and 10% p         (C) RV       (D) TLC         172.       Surfactant consists of         (A) Baroreceptor reflex       (B) Heads reflex         (C) Stretch reflex       (D) Deflation reflex         174.       In a capnogram, end expiratory PCO2 is represented by         (A) Phase 1       (B) Peak of phase 3         175.       Repeated episodes of apnoea in the absence of respiratory muscle effort         (A) OSA       (B) central sleep apnoea         (C) mixed sleep apnoea       (D) All of the above         176.       Patient		(C) Haldane's method	(D) Gustav's method
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(A) Inspiration (B) Early expiration		(C) mixed sleep apnoea	(D) All of the above
	176.	Patients with OSA have more airway narro	wing during
(C) End expiration (D) Both inspiration and expiration		(A) Inspiration	
		C End expiration	(D) Both inspiration and expiration

177.	Neck circumference of more than	_ is a risk factor for OSA in women.		
	(A) 15 inches	(B) 16 inches		
	(C) 17 inches	(D) 18 inches		
178.	All of the following are components of p	All of the following are components of polysomnography except		
	(A) EEG	(B) ECG		
	(C) EMG	(D) EOG		
179.	CPAP can be delivered through			
	(A) Nasal pillow	(B) Nasal mask		
	(C) Full face mask	<b>(D)</b> All of the above		
180.	Gold standard for treatment of OSA			
	(A) Surgery	(B) CPAP		
	(C) Mandibular repositioning devices	(D) All of the above		
181.	Development of central sleep apnoea dur	ring CPAP titration for OSA is called		
	(A) Idiopathic central sleep apnoea	(B) Cheyne-stoke respiration		
	(C) Complex sleep apnoea	(D) All of the above		
182.	Overlap syndrome includes			
	(A) OSA and COPD	(B) OSA and metabolic syndrome		
	(C) OSA and stroke	(D) OSA + COPD + Metabolic syndrome + Stroke		
183.	Criteria for Obesity-hypoventilation syn	drome includes all except		
	(A) BMI ≥ 30	$\textbf{(B)} PO_2 \le 60$		
	(C) $PCO_2 \ge 45$	(D) All of the above		
184.	Chest abdominal paradox occurs in			
	(A) Loss of diaphragm tone.	(B) Partial upper airway obstruction		
	(C) Complete upper airway obstruction	<b>(D)</b> All of the above		
185.	Most commonly reduced lung volume in obesity			
	(A) ERV	(B) FRC		
	(C) TLC	(D) RV		
186.	Most common cause of death in Parkins	ons disease		
	(A) Pneumonia	(B) ARDS		
	(C) Lung Abscess	(D) None of the above		
187.	Respiratory manifestations of Multiple Sclerosis			
	(A) Respiratory muscle weakness	(B) Bulbar dysfunction		
	(C) Abnormal respiratory control	<b>(D)</b> All of the above		
188.	In spinal cord injury least respiratory impairment is seen in lesions of			
	(A) C1-C3	(B) C3-C5		
	(C) C4-C5	<b>(D)</b> C6-C8		
189.	Most common respiratory complication in Acute Poliomyelitis			
	(A) Pneumonia	(B) Respiratory failure		
	(C) ARDS	(D) All of the above		

190.	Only approved drug for Amyotrophic lateral sclerosis		
	(A) Glatiramir	(B) Mitoxantrone	
	(C) Riluzole	(D) IFN	
191.	All of the following cause bilateral diaphragmatic paralysis except		
	(A) Cervical spondylosis	(B) Spinal cord injury	
	(C) Musclar dystrophy	<b>(D)</b> Central vein cannulation	
192.	Major criteria for mechanical ventilation in Guillian Barre Syndrome are all except		
	(A) Hypercarbia	(B) Hypoxemia	
	(C) Vital capacity < 15 ml/kg	(D) Atelectasis	
193.	Risk factors for critical illness polyneuropa	athy are all except	
	(A) SIRS	(B) GCS < 10	
	(C) Neuromuscular blocking agents	<b>(D)</b> Hypoglycemia	
194.	Poor prognostic factor in Duchene muscul	ar dystrophy	
	(A) Reduction in maximum inspiratory pressure		
	(B) FVC < 1 L		
	C) Hypercarbia		
	(D) Reduction in maximum expiratory mouth pressure.		
195.	Prolonged survival in Duchenne muscular	dystrophy is seen with	
	(A) Manual insufflator exsufflator	(B) NIV Positive pressure ventilation	
	(C) Steroid therapy	<b>(D)</b> Gene therapy	
196.	Metabolic myopathy causing respiratory failure		
	(A) Acid maltase deficiency	(B) Pompe's disease	
	(C) Mitochondrial myopathy	<b>(D)</b> All of the above	
197.	Techniques that help in inspiratory and expiratory muscle function include all except		
	(A) Manual thrust applied to abdomen during expiration		
	(B) CPAP		
	(C) Intermittent abdominal pressure ventilator		
	(D) None of the above		
198.	Which of the following is false about Beda		
	(A) Acts by blocking mycolic acid synthesis		
100	(C) Bactericidal	(D) None of the above	
199.	Which of the following is not an exclusion criterion for Delamanid		
	(A) Lactation	(B) Controlled stable arrhythmia	
•••	(C) History of heart failure	(D) None of the above	
200.	Which of these is a platform for the National Tuberculosis Surveillance System		
	(A) Swasthi	(B) Arogya	
	(C) Nikshaya	(D) Mitreya	