

PROVISIONAL ANSWER KEY

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Alphacode	A

Question1:-Which of the following river is known as 'Sorrow of Bengal' ?

- A:-Ganga
- B:-Damodar
- C:-Brahmaputra
- D:-Yamuna

Correct Answer:- Option-B

Question2:-The best indicator of economic development of any country is

- A:-Per capita income
- B:-Agriculture
- C:-Transport
- D:-Gross production

Correct Answer:- Option-A

Question3:-Sumita Sanyal was associated with which field ?

- A:-Politics
- B:-Sports
- C:-Science
- D:-Film Industry

Correct Answer:- Option-D

Question4:-The headquarters of UNESCO

- A:-Paris
- B:-New York
- C:-Rome
- D:-Geneva

Correct Answer:- Option-A

Question5:-Year of Poona Pact

- A:-1919
- B:-1929
- C:-1932
- D:-1942

Correct Answer:- Option-C

Question6:-Founder of Sadhujana Paripalana Sangham

- A:-Sree Narayana Guru
- B:-Pandit Karuppan
- C:-Ayyankali
- D:-Thycaud Ayya

Correct Answer:- Option-C

Question7:-What is the full form of NCERT ?

- A:-National Council for Educational Resources and Teaching
- B:-National Council of Employees Remedial Teaching
- C:-National Council of Educational Research and Training
- D:-National Council for Employees Research and Training

Correct Answer:- Option-C

Question8:-The `18^(th)` anniversary of Kargil Vijay Diwas has celebrated on which day in India ?

- A:-2017 July 22
- B:-2017 June 22
- C:-2017 July 26
- D:-2017 June 26

Correct Answer:- Option-C

Question9:-Who issued the famous 'Kundara Proclamation' ?

- A:-Pazhassi Raja
 - B:-Velu Thampi Dalawa
 - C:-Marthanda Varma
 - D:-Paliathachan
- Correct Answer:- Option-B

Question10:-'Jathikummi' was the famous work of

- A:-Dr. Palpu
 - B:-V. T. Bhattathirippad
 - C:-Kumaranasan
 - D:-Pandit Karuppan
- Correct Answer:- Option-D

Question11:-Atma Vidya Sangham was founded by

- A:-Vagbhatananda
 - B:-Sahodaran Ayyappan
 - C:-Velukkutty Arayan
 - D:-Brahmananda Swami Sivayogi
- Correct Answer:- Option-A

Question12:-Temple Entry Proclamation was issued by

- A:-Marthanda Varma
 - B:-Swathithirunna
 - C:-Darmaraja
 - D:-Sree Chithira Thirunal Balarama Varma
- Correct Answer:- Option-D

Question13:-In the National Flag which colour is used in the wheel ?

- A:-Red
 - B:-Navy Blue
 - C:-green
 - D:-White
- Correct Answer:- Option-B

Question14:-First Five Year Plan was started in which year ?

- A:-1949
 - B:-1951
 - C:-1959
 - D:-1961
- Correct Answer:- Option-B

Question15:-First Regular Indian Censuses was conducted in

- A:-1889
 - B:-1888
 - C:-1881
 - D:-1880
- Correct Answer:- Option-C

Question16:-2017 World Athletic Championship was held at

- A:-New York
 - B:-Russia
 - C:-Germany
 - D:-London
- Correct Answer:- Option-D

Question17:-Founder of Travancore Muslim Mahajana Sabha

- A:-Vakkom Abdul Khadar Moulavi
 - B:-Khan Abdul Gaffer Khan
 - C:-Sayyed Ahamed Khan
 - D:-Muhammed Abdu Rahman Saheb
- Correct Answer:- Option-A

Question18:-Who was honoured with the title 'Bharata Kesari' by the President of India ?

- A:-Sree Narayana Guru
- B:-Mannathu Padmanabha Pillai
- C:-Kumara Guru
- D:-Kumaranasan

Correct Answer:- Option-B

Question19:-The famous tourist centre Ajanta is situated at

- A:-Gujarat
- B:-Goa
- C:-Madhya Pradesh
- D:-Maharashtra

Correct Answer:- Option-D

Question20:-1857 Revolt was started at

- A:-Meerut
- B:-Jhansi
- C:-Kanpur
- D:-Bihar

Correct Answer:- Option-A

Question21:-Alpha 1 anti trypsin deficiency is caused by mutation in the gene

- A:-SERPINA1
- B:-ACVRL1
- C:-SFTPA2
- D:-CSF2RA

Correct Answer:- Option-A

Question22:-At the end of a deep breath what percent of lung volume is air ?

- A:-60
- B:-80
- C:-70
- D:-90

Correct Answer:- Option-B

Question23:-Fibre types in respiratory muscles that help in sneezing and coughing is

- A:-Type I
- B:-Type IIa
- C:-Type IIb
- D:-Type IIx

Correct Answer:- Option-D

Question24:-Most common pattern of ILD in Rheumatoid arthritis is

- A:-UIP
- B:-COP
- C:-NSIP
- D:-DIP

Correct Answer:- Option-A

Question25:-Fall in FEV1 in non-smoking adults are at the rate of

- A:-15 ml/year
- B:-30 ml/year
- C:-45ml/year
- D:-60ml/year

Correct Answer:- Option-B

Question26:-All are true regarding COPD exacerbations, except

- A:-Best predictor of future exacerbations
- B:-More common in patients with chronic cough and sputum production
- C:-Spirometry during the acute exacerbation is usually helpful in predicting the severity and duration
- D:-Many of these eventually resolve without specific treatment

Correct Answer:- Option-C

Question27:-All are causes of exacerbations of asthma, except

- A:-Rhino virus
- B:-Haemophilus influenza
- C:-Chlamydia
- D:-Para influenza virus

Correct Answer:- Option-B

Question28:-Anti inflammatory action of theophyllins are mediated through

- A:-Phosphodiesterase
- B:-Histone deacetylase2
- C:-All of the above

D:-None of the above

Correct Answer:- Option-B

Question29:-NSAID well tolerated in Aspirin induced asthma is

A:-Indomethacine

B:-Ketorolac

C:-Piroxicam

D:-Sodium salicylate

Correct Answer:- Option-D

Question30:-Prevalence of exercise induced asthma may be more in the following group

A:-Children

B:-Elite athletes

C:-All of the above

D:-None of the above

Correct Answer:- Option-C

Question31:-The most effective drug in exercise induced asthma is

A:-Beta adrenergic agonists

B:-Chromolin sodium

C:-Theophyllins

D:-Leukotriene antagonists

Correct Answer:- Option-A

Question32:-Pathognomonic of ABPA among the following is

A:-Elevated aspergillus specific IgE

B:-Elevated aspergillus specific IgG

C:-Charcot-Leyden crystals

D:-Hyphae filled mucous plug

Correct Answer:- Option-D

Question33:-Unilateral vocal cord paralysis causes

A:-Variable intrathoracic obstruction

B:-Variable extra thoracic obstruction

C:-Fixed intrathoracic obstruction

D:-Fixed extra thoracic obstruction

Correct Answer:- Option-B

Question34:-Most common type of benign tracheal tumour is

A:-Chondroma

B:-Papilloma

C:-Hemangioma

D:-Hamartoma

Correct Answer:- Option-A

Question35:-All are true in Vocal Cord Dysfunction, except

A:-Stridor/wheeze

B:-Symptoms may remit without treatment

C:-Presence of bronchial hyper responsiveness

D:-Normal alveolar arterial gradient

Correct Answer:- Option-C

Question36:-F508 del mutation in cystic fibrosis results in

A:-Block in processing

B:-Block in regulation

C:-Altered conductance

D:-Reduced synthesis

Correct Answer:- Option-A

Question37:-Risk factors for liver disease in cystic fibrosis are all the following, except

A:-Meconium ileus

B:-PiZ heterozygous state

C:-TGF beta-1 polymorphism

D:-Female sex

Correct Answer:- Option-D

Question38:-Infections with the following organism is associated with development of bronchiectasis.

A:-Streptococcus pneumoniae

B:-Haemophilus influenzae

C:-Staphylococcus aureus

D:-Morexella catarrhalis

Correct Answer:- Option-C

Question39:-Most common form of ILD is

A:-Hypersensitivity pneumonitis

B:-Sarcoidosis

C:-CT-ILD

D:-IPF

Correct Answer:- Option-D

Question40:-Differentiating feature between RB-ILD and DIP is

A:-Age of onset

B:-Involvement of alveoli

C:-Smoking score more than 30 pack years

D:-Golden brown pigments in macrophages

Correct Answer:- Option-B

Question41:-Detergent workers disease is caused by

A:-Cladosporium spp.

B:-Pseudomonas spp.

C:-Aureobasidium spp.

D:-Bacillus subtilis

Correct Answer:- Option-D

Question42:-Shrinking lung syndrome is seen in

A:-SLE

B:-Emphysema

C:-IPF

D:-Scleroderma

Correct Answer:- Option-A

Question43:-All are true regarding Rheumatoid pleural effusion, except

A:-Low sugar

B:-Leukocytosis

C:-pH more than 7.2

D:-Exudative effusion

Correct Answer:- Option-C

Question44:-Radiologic appearance of PLCH include all, except

A:-Mid and lower zone involvement

B:-Ill defined nodules

C:-Cysts of bizarre shape

D:-Pleural thickening

Correct Answer:- Option-A

Question45:-All are true regarding Alveolar microlithiasis, except

A:-Autosomal recessive disorder

B:-Calcium metabolism disorder

C:-Asymptomatic with abnormal CXR

D:-Mutation in Type II b sodium phosphate cotransporter gene

Correct Answer:- Option-B

Question46:-In which year Robert Koch received Nobel Prize for his contribution in the field of Tuberculosis ?

A:-1888

B:-1905

C:-1912

D:-1886

Correct Answer:- Option-B

Question47:-National Tuberculosis programme was started in India in the year

A:-1906

B:-1956

C:-1978

D:-1962

Correct Answer:- Option-D

Question48:-Swimming pool granuloma is caused by

A:-M.marinum

- B:-M.ulcerans
- C:-M.avium
- D:-M.smegmatis

Correct Answer:- Option-A

Question49:-All are solid culture media in Tuberculosis, except

- A:-L-J medium
- B:-Loeffler serum slope
- C:-Middlebrooks medium
- D:-Pawlowskys medium

Correct Answer:- Option-C

Question50:-Most common form of skeletal tuberculosis is

- A:-Tuberculosis of hip
- B:-Tuberculosis of knee joint
- C:-Spinal tuberculosis
- D:-Tuberculosis of shoulder joint

Correct Answer:- Option-C

Question51:-Which of the following is unusual in Churg stauss syndrome ?

- A:-cANCA
- B:-Elevated ESR
- C:-Elevated CRP
- D:-Elevated Eosinophil Count

Correct Answer:- Option-A

Question52:-Which is not true in chylothorax ?

- A:-Lymphocyte predominant
- B:-Exudate
- C:-Elevated LDH
- D:-Pleural fluid triglyceride more than 110 mg/dl

Correct Answer:- Option-C

Question53:-Triad of Yellow nail syndrome consists of all, except

- A:-Nail changes
- B:-Pleural effusion
- C:-Bronchiectasis
- D:-Lymphedema

Correct Answer:- Option-C

Question54:-Most common lung cancer type associated with pleural involvement

- A:-Squamous cell carcinoma
- B:-Adenocarcinoma
- C:-Large cell carcinoma
- D:-Small cell carcinoma

Correct Answer:- Option-B

Question55:-All are true regarding pleural effusion associated with mesothelioma, except

- A:-Presence of hyaluronic acid is diagnostic
- B:-Low pH
- C:-Low sugar
- D:-LDH concentration greater than that of carcinoma of pleura

Correct Answer:- Option-A

Question56:-Haller index suggesting significant sternal depression in Pectus excavatum is

- A:-2.5
- B:-More than 3.25
- C:-Less than 3.25
- D:-Less than 2.5

Correct Answer:- Option-B

Question57:-Chronic mountain sickness is characterized by all the features, except

- A:-Dyspnoea on exertion
- B:-Extreme polycythemia
- C:-Elevated haematocrit
- D:-Pulmonary hypertension

Correct Answer:- Option-A

Question58:-EGFR mutations positive lung cancers have all the following features, except

- A:-Exclusively in NSCLC
 - B:-More in women
 - C:-More in smokers
 - D:-20-30% Asian lung cancer patients
- Correct Answer:- Option-C

Question59:-Carcinoid syndrome is seen in all, except

- A:-Carcinoid tumours
 - B:-Large cell carcinoma
 - C:-Squamous cell carcinoma
 - D:-Small cell carcinoma
- Correct Answer:- Option-C

Question60:-Hypercalcemia most frequently occur in

- A:-Squamous cell cancer
 - B:-Adenocarcinoma
 - C:-Small cell lung cancer
 - D:-Large cell carcinoma
- Correct Answer:- Option-A

Question61:-Spherical pneumonia is associated with

- A:-Streptococcal pneumonia
 - B:-Haemophilus influenza
 - C:-Coxiella burnetti
 - D:-All of the above
- Correct Answer:- Option-D

Question62:-Which is not true about pneumatoceles ?

- A:-Seen in young children
 - B:-Develop late in the course of pneumonia
 - C:-Thin walled air filled spaces
 - D:-Disappear in a few months
- Correct Answer:- Option-B

Question63:-Liver function abnormalities and clinical hepatitis in atypical pneumonia usually suggest

- A:-Qfever
 - B:-Mycoplasma pneumonia
 - C:-Legionella pneumonia
 - D:-Chlamydia pneumonia
- Correct Answer:- Option-A

Question64:-Lemmiere syndrome is caused by

- A:-M.abscesus
 - B:-Peptostreptococcus
 - C:-Prevotella oralis
 - D:-F.necrophorum
- Correct Answer:- Option-D

Question65:-Important infection in post transplant patients, beyond one month post surgery is

- A:-CMV
 - B:-P. jiroveci
 - C:-A. fumigates
 - D:-Nocardia asteroides
- Correct Answer:- Option-A

Question66:-Mechanism of action of fluoroquinolones is

- A:-Inhibition of protein synthesis
 - B:-Interfere with DNA gyrase/topoisomerase IV leading to cell wall lysis
 - C:-LPS mediated increased cell wall permeability to antibiotics
 - D:-Both (a) and (c)
- Correct Answer:- Option-B

Question67:-Most common site for aspiration pneumonia is

- A:-Superior segment of RLL
 - B:-Posterior segment of LUL
 - C:-Medial segment of RML
 - D:-Superior segment of LLL
- Correct Answer:- Option-A

Question68:-Most likely diagnosis in an edentulous patient presenting with a cavitating lesion in CXR in all, except

- A:-Bronchial obstruction
- B:-Pulmonary embolus
- C:-Septic embolus
- D:-Lung abscess

Correct Answer:- Option-D

Question69:-Diagnostic threshold for BAL in nosocomial pneumonia is

- A:- $10^{(5)}$ CFU/ml
- B:- $10^{(3)}$ CFU/ml
- C:- $10^{(4)}$ CFU/ml
- D:- $10^{(6)}$ CFU/ml

Correct Answer:- Option-C

Question70:-Which of the following mycobacteriae is not associated with human infection ?

- A:-M.africanum
- B:-M.canettii
- C:-M.bovis BCG
- D:-M.caprae

Correct Answer:- Option-D

Question71:-Droplet nuclei are not the mode of transmission among the following diseases

- A:-Measles
- B:-Tuberculosis
- C:-Influenza
- D:-Varicella

Correct Answer:- Option-C

Question72:-Most common form of extrapulmonary tuberculosis is

- A:-Pleural effusion
- B:-Spinal tuberculosis
- C:-Genitourinary TB
- D:-Lymphnode TB

Correct Answer:- Option-D

Question73:-All are true about Xpert-MTB-RIF, except

- A:-Nucleic acid amplification test
- B:-Sophisticated laboratory needed, not useful in resource poor settings
- C:-Simultaneously detects RIF resistance
- D:-Specificity 90-100%

Correct Answer:- Option-B

Question74:-Diagnostic test of choice in pneumocystis jirovecii, is

- A:-Diff-Quick stain
- B:-Induced sputum with direct immunofluorescent staining
- C:-Wright's stain
- D:-Toluidine blue O

Correct Answer:- Option-B

Question75:-Mechanism of Bleomycin lung toxicity include all, except

- A:-Generation of oxygen free radicals
- B:-Direct effects on DNA
- C:-Absence of enzyme Bleomycin hydrolase
- D:-Inhibition of enzyme Bleomycin hydrolase

Correct Answer:- Option-D

Question76:-Which is not correct about omalizumab ?

- A:-Recombinant humanised antibody
- B:-Dose dependent on serum level of IgE alone
- C:-Indicated in moderate to severe allergic asthma
- D:-Should not be initiated at acute stage of asthma

Correct Answer:- Option-B

Question77:-IRIS can occur in all the following conditions in a patient with HIV, except

- A:-Mycobacterium tuberculosis
- B:-Leishmaniasis
- C:-Fungal infections
- D:-Bacterial pneumonia

Correct Answer:- Option-D

Question78:-Permissive hyper capnoea is used in all the following, except

- A:-Acute lung injury
- B:-Increased intracerebral pressure
- C:-ARDS
- D:-Neonatal respiratory failure

Correct Answer:- Option-B

Question79:-Oral bio-availability is maximum for which among the following inhaled steroids ?

- A:-Fluticasone
- B:-Mometasone
- C:-Ciclesonide
- D:-Beclomethasone

Correct Answer:- Option-D

Question80:-All are features of chronic eosinophilic pneumonia, except

- A:-Elevated eosinophil count in blood and BAL
- B:-Reverse pulmonary edema pattern in CXR
- C:-Male sex predominance
- D:-Presence of interstitial fibrosis pathologic hall mark

Correct Answer:- Option-C

Question81:-Chronic pleuritic pain is characteristic in

- A:-Lung cancer
- B:-Pneumoconiosis
- C:-Pulmonary embolism
- D:-Mesothelioma

Correct Answer:- Option-D

Question82:-Absolute contraindication for argonplasma coagulation is

- A:-Implantable defibrillator
- B:-`FiO₂` less than 0.4
- C:-Major airway bleed
- D:-Post infectious airway stenosis

Correct Answer:- Option-A

Question83:-Elevated DLCo in asthma is due to

- A:-Associated large lung volume
- B:-Increased perfusion of well ventilated upper zones
- C:-None of the above
- D:-both (1) & (2)

Correct Answer:- Option-D

Question84:-Varenicline helps in smoking cessation by a) Being partial agonist of nicotinic cholinergic receptor b) Blocks effects of smoke on nicotine receptor c) As a result of receptor blockade nicotine withdrawal symptoms are relieved d) Desire to smoke is reduced

- A:-a, b and c
- B:-b, c and d
- C:-a, b and d
- D:-a, c and d

Correct Answer:- Option-C

Question85:-Which is not true about Pancoast syndrome ?

- A:-Most common initial symptom is shoulder pain
- B:-Intrinsic muscles of the hand may be involved
- C:-Associated with superior sulcus tumour
- D:-CT is superior imaging modality

Correct Answer:- Option-D

Question86:-Malignancy commonly associated with airway metastasis is

- A:-Prostatic cancer
- B:-Colon cancer
- C:-Osteogenic sarcoma
- D:-Ca. Tongue

Correct Answer:- Option-B

Question87:-Criteria for diagnosing a definite Hereditary Hemorrhagic Telangiectasia include all, except

- A:-Recurrent spontaneous nose bleeds

- B:-Mucocutaneous telangiectasia
 - C:-No first degree relative involved
 - D:-Visceral involvement
- Correct Answer:- Option-C

Question88:-Skin manifestation that is specific for sarcoidosis

- A:-Erythema nodosum
- B:-Lupus pernio
- C:-Subcutaneous nodules
- D:-Plaques

Correct Answer:- Option-B

Question89:-Not true about Idiopathic Pulmonary Hemosiderosis, from the following is

- A:-Predominantly disease of children
- B:-Recurrent haemoptysis
- C:-Renal involvement is common
- D:-Histology of lung shows bland alveolar haemorrhage with hemosiderin accumulation

Correct Answer:- Option-C

Question90:-The commonest type of lung carcinoma seen in women and non-smokers

- A:-Adenocarcinoma
- B:-Large cell carcinoma
- C:-Small cell carcinoma
- D:-Squamous cell carcinoma

Correct Answer:- Option-A

Question91:-The commonest malignant tumour seen in asbestos worker

- A:-Bronchogenic carcinoma
- B:-Gastric carcinoma
- C:-Glioblastoma multiforme
- D:-Malignant mesothelioma

Correct Answer:- Option-A

Question92:-Cushing syndrome is usually associated with all, except

- A:-Carcinoid tumour
- B:-Squamous cell carcinoma
- C:-Neuroblastoma
- D:-Small cell carcinoma

Correct Answer:- Option-B

Question93:-Most common radiological pattern associated with Bronchioloalveolar carcinoma

- A:-Multiple nodular lesions
- B:-Consolidative pattern
- C:-Perihilar opacity with cavitation
- D:-Single nodular lesions

Correct Answer:- Option-D

Question94:-The commonest type of emphysema

- A:-Irregular
- B:-Centriacinar
- C:-Panacinar
- D:-Paraseptal

Correct Answer:- Option-B

Question95:-The pneumoconiosis which can be seen commonly in tobacco smokers is

- A:-Anthracosis
- B:-Byssinosis
- C:-Siderosis
- D:-Silicosis

Correct Answer:- Option-A

Question96:-The type of pneumoconiosis in which eggshell calcification of hilar lymph nodes is seen in chest X-ray is

- A:-Anthracosis
- B:-Berylliosis
- C:-Coalworkers pneumoconiosis
- D:-Silicosis

Correct Answer:- Option-D

Question97:-Bronchial carcinoma can be associated with all except

A:-Acanthosis nigricans

B:-Myesthenia gravis

C:-Hypercalcaemia

D:-SIADH

Correct Answer:- Option-B

Question98:-All are true about asbestosis except

A:-Asteroid bodies are characteristic

B:-Begins in the lower lobe and subpleurally

C:-Marked diffuse pulmonary interstitial fibrosis

D:-Pleural plaques most common manifestation

Correct Answer:- Option-A

Question99:-All are true about silicosis except

A:-Most prevalent chronic occupational disease in the world

B:-Quartz is most commonly implicated form

C:-Initial lesions tend to localize in the lower lung zone

D:-There is no known clear association of silica and development of lung cancer

Correct Answer:- Option-C

Question100:-Bedaquiline is not started in MDR TB in all the situations, except

A:-Pyrazinamide and at least 4 second line drugs are not available according to sensitivity tests

B:-Uncontrolled cardiac arrhythmia requiring medication

C:-Prolonged QT interval (more than 450 ms)

D:-Presence of chorioretinitis

Correct Answer:- Option-A