

# PROVISIONAL ANSWER KEY

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Question1:-Neural Tube develops due to inductive effect of -

- A:-Primitive node
- B:-Primitive Streak
- C:-Prochordal plate
- D:-Notochord

Correct Answer:- Option-D

Question2:-Menisco-femoral ligaments are attached to the following horn -

- A:-Anterior horn of lateral Meniscus
- B:-Anterior horn of Medial Meniscus
- C:-Posterior horn of lateral Meniscus
- D:-Posterior horn of Medial Meniscus

Correct Answer:- Option-C

Question3:-Greater splanchnic nerve carries following fibres -

- A:-Preganglionic sympathetic
- B:-Preganglionic Parasympathetic
- C:-Post ganglionic sympathetic
- D:-Post ganglionic parasympathetic

Correct Answer:- Option-A

Question4:-The following sentences are true about Vas deferens EXCEPT

- A:-Develops from mesonephric duct
- B:-Main content of spermatic cord
- C:-45 cms long
- D:-Opens to seminal vesicle

Correct Answer:- Option-D

Question5:-Deficiency manifestation of thiamine

- A:-Scurvy
- B:-Beriberi
- C:-Neural tube defect
- D:-Night blindness

Correct Answer:- Option-B

Question6:-Tumor marker useful in the diagnosis of hepatocellular carcinoma

- A:-CA - 125
- B:-ALP
- C:-CEA
- D:-AFP

Correct Answer:- Option-D

Question7:-Acute intermittent porphyria is due to deficiency of

- A:-UPG I synthase
- B:-ALA synthase
- C:-ALA dehydratase
- D:-UPG decarboxylase

Correct Answer:- Option-A

Question8:-The committed step of cholesterol biosynthesis is catalyzed by

- A:-HMG CoA synthase
- B:-HMG CoA reductase
- C:-Acetyl CoA carboxylase
- D:-Acetoacetyl CoA synthase

Correct Answer:- Option-B

Question9:-Chief seat of peripheral resistance is

A:-Veins

B:-Capillaries

C:-Arteries

D:-Arterioles

Correct Answer:- Option-D

Question10:-Hormone that widens pulse pressure is

A:-Angiotensin

B:-Vasopressin

C:-Thyroxine

D:-Norepinephrine

Correct Answer:- Option-C

Question11:-If the renal clearance of a substance which is freely filtered is less than that of Insulin

A:-There is net re-absorption of the substance in the tubule

B:-There is net secretion of the substance in the tubule

C:-The substance is neither re-absorbed nor secreted in the tubule

D:-The substance is secreted in the proximal tubule to a lesser degree than that in the distal tubule

Correct Answer:- Option-A

Question12:-Arny counting denotes

A:-Counting of the lobes in Neutrophil

B:-Counting of the granules in Eosinophil

C:-Counting of Lymphocytes in peripheral smear

D:-Counting of Leucocytes in bone marrow

Correct Answer:- Option-A

Question13:-Railway spine is

A:-Hyper flexion injury

B:-Hyper extension injury

C:-Concussion of spine

D:-Contusion of spine

Correct Answer:- Option-C

Question14:-Most specific chemical test for detection of semen is

A:-Florence test

B:-Barberis test

C:-Teich Mann's test

D:-Acid phosphatase test

Correct Answer:- Option-D

Question15:-Cerebra odollam is a predominant fatal

A:-Cardiac poison

B:-Hepatorenal poison

C:-Respiratory depressant

D:-Gastro intestinal poison

Correct Answer:- Option-A

Question16:-Smokeless powder used in cartridge of shotgun comprises of

A:-Potassium nitrate, charcoal, sulphur

B:-Potassium chloride, sulphur

C:-Nitro guanidine, Potassium nitrate

D:-Nitrocellulose, Nitroglycerine

Correct Answer:- Option-D

Question17:-All the following are enrichment media except \_\_\_\_\_

A:-Tetrathionate broth

B:-Selenite F broth

C:-Thioglycolate broth

D:-Gram negative broth

Correct Answer:- Option-C

Question18:-Pontiac fever is caused by

A:-Aspergillus fumigatus

B:-Streptococcus moniliformis

C:-Spirillum minus

D:-Legionella pneumophila

Correct Answer:- Option-D

Question19:-Mercaptoethanol reduction of Ig molecule produces

- A:-Two Fab fragments and one Fc fragment
- B:-One F<sup>(ab)<sub>2</sub></sup> fragment
- C:-Two heavy chains and two light chains
- D:-None of the above

Correct Answer:- Option-C

Question20:-Which of the following is not a characteristic of Slow virus

- A:-Produces cytopathic effect in vitro
- B:-Very long incubation period
- C:-Lack in antigenicity
- D:-Predilection for CNS

Correct Answer:- Option-A

Question21:-All are actions of atropine on eye except

- A:-Mydriasis
- B:-Cycloplegia
- C:-Decrease intraocular tension
- D:-Decrease Lacrimation

Correct Answer:- Option-C

Question22:-Which is a neuromuscular blocker

- A:-Succinyl Choline
- B:-Hexamethonium
- C:-Trimethaphan
- D:-Guanethidine

Correct Answer:- Option-A

Question23:-Which is an Ester

- A:-Procaine
- B:-Bucricaine
- C:-Prilocaine
- D:-Ropivacaine

Correct Answer:- Option-A

Question24:-Tianeptine is

- A:-5 HT uptake enhancer
- B:-Gaba inhibitor
- C:-Norepinephrine reuptake inhibitor
- D:-Mao inhibitor

Correct Answer:- Option-A

Question25:-The primary cells infected by M.tuberculosis are

- A:-TH1 cells
- B:-Macrophages
- C:-B lymphocytes
- D:-Plasma cells

Correct Answer:- Option-B

Question26:-The common histologic features of Chronic viral Hepatitis C(CHC), include all EXCEPT

- A:-Ground glass Hepatocytes
- B:-Lymphoid aggregates in portal tracts
- C:-Bile duct changes in portal tract
- D:-Macro vascular steatosis

Correct Answer:- Option-A

Question27:-The primary glomerular lesions causing Nephrotic syndrome include all EXCEPT

- A:-Minimal-change disease
- B:-Acute post infectious glomerulonephritis
- C:-Focal segmental glomerulosclerosis
- D:-Membranous glomerulopathy

Correct Answer:- Option-B

Question28:-Which is NOT TRUE about Carcinoid Heart Disease

- A:-The right side of the heart is commonly affected
- B:-Endocardium is primarily affected
- C:-Occurs in half the number of cases of carcinoid syndrome
- D:-The left side of the heart is commonly affected

Correct Answer:- Option-D

Question29:-The Triangle of Epidemiology shows the interaction and interdependence of

- A:-Agent, Host and Environment
- B:-Agent, Host, Environment and Time
- C:-Agent, Host and Place
- D:-Agent, Host, Environment and Place

Correct Answer:- Option-B

Question30:-The Stanford Three Community study is a

- A:-Clinical Trial
- B:-Preventive Trial
- C:-Risk factor Trial
- D:-Trial of Etiological agents

Correct Answer:- Option-C

Question31:-All are Phenotypic methods for detection of Mycobacteria directly from clinical samples except

- A:-Catridge Based Nucleic acid amplification test
- B:-TB STAT-PAC
- C:-Insta test TB
- D:-Fast Plaque TB

Correct Answer:- Option-A

Question32:-The best measure of central tendency which can be used for a skewly distributed data is

- A:-Mean
- B:-Median
- C:-Inter-quartile range
- D:-Standard deviation

Correct Answer:- Option-B

Question33:-Interruption of transmission of a communicable disease from a large geographic area is known as

- A:-Disease control
- B:-Disease termination
- C:-Disease elimination
- D:-Disease eradication

Correct Answer:- Option-C

Question34:-An office clerk badly snubbed by his superior takes it out to his wife and children on reaching home. What is the type of defence mechanism was he adopted

- A:-Projection
- B:-Compensation
- C:-Displacement
- D:-Regression

Correct Answer:- Option-C

Question35:-Most effective form of Chlorine in water disinfection is

- A:-Hychlorite ion
- B:-Hypochlorous ion
- C:-Hypochloric acid
- D:-Hypochlorous acid

Correct Answer:- Option-D

Question36:-An international treaty that was designed to reduce the movements of hazardous waste between nations

- A:-Rotterdam Convention
- B:-Basel Convention
- C:-Brokered Convention
- D:-Stockholm Convention

Correct Answer:- Option-B

Question37:-Fixation is completed by

- A:-1 month
- B:-2 years
- C:-6 months
- D:-1 year

Correct Answer:- Option-C

Question38:-All are features of papilloedema except

- A:-Transient visual obscurations
- B:-Blurring of optic disc margins

C:-Early visual loss  
D:-Enlargement of blind spot  
Correct Answer:- Option-C

Question39:-Which of the following intra ocular foreign body causes suppurative reaction

A:-Nickel  
B:-Platinum  
C:-Porcelain  
D:-Gold

Correct Answer:- Option-A

Question40:-Major cause of blindness in India is

A:-Refractive errors  
B:-Glaucoma  
C:-Trachoma  
D:-Cataract

Correct Answer:- Option-D

Question41:-Distant direct ophthalmoscopy is done at a distance of

A:-15 cm  
B:-25 cm  
C:-50 cm  
D:-100 cm

Correct Answer:- Option-B

Question42:-Which of the following is true about Peter's anomaly?

A:-Treatment is with rigid gas permeable lenses  
B:-Defects in corneal endothelium and Descemet's membrane  
C:-Identification of `PAX\_6` mutation in all cases  
D:-Bilaterality in 10% of cases

Correct Answer:- Option-B

Question43:-Perineural invasion and pain are associated with which of the following orbital tumour

A:-Neuroblastoma  
B:-Adeno Carcinoma of Lacrimal gland  
C:-Rhabdo myo sarcoma  
D:-Adenoid cystic carcinoma of lacrimal gland

Correct Answer:- Option-D

Question44:-Characteristics of Congenital motor Nystagmus are all except

A:-Bilateral  
B:-Horizontal  
C:-Worsens with attempted fixation  
D:-Worsens with convergence

Correct Answer:- Option-D

Question45:-Ischi - Type I Thyroplasty is

A:-Medial displacement of vocal cord  
B:-Lateral displacement of vocal cord  
C:-Shortening of vocal cord  
D:-Lengthening of vocal cord

Correct Answer:- Option-A

Question46:-Device which offers hearing in a person with severe to profound sensorineural hearing loss

A:-Bodyworn hearing aid  
B:-Behind the ear hearing aid  
C:-BAHA  
D:-Cochlear implant

Correct Answer:- Option-D

Question47:-Epistaxis most common site is

A:-Woodruff's plexus  
B:-Little's area  
C:-Donaldson's line  
D:-Hyrtl's fissure

Correct Answer:- Option-B

Question48:-Thumb sign is seen in

A:-Acute Laryngotracheobronchitis

B:-Quincke's edema

C:-Epiglottitis

D:-Reinke's edema

Correct Answer:- Option-C

Question49:-Molecular genetic testing of GJB2 variants is done in the diagnosis of:

A:-Van der Hoeve syndrome

B:-DFNB1

C:-Van der Woude Syndrome

D:-Apert syndrome

Correct Answer:- Option-B

Question50:-Gutzmann's pressure test is used in:

A:-Adductor dysphonia

B:-Functional aphonia

C:-Mutational falsetto

D:-Phonasthenia

Correct Answer:- Option-C

Question51:-Fluctuating hearing loss is seen in all except:

A:-Otosclerosis

B:-Ménière's disease

C:-Perilymph fistula

D:-Syphilitic labyrinthitis

Correct Answer:- Option-A

Question52:-Bilateral loss of vestibular function is known as:

A:-Costen syndrome

B:-Wallenberg syndrome

C:-Sipple's syndrome

D:-Dandy syndrome

Correct Answer:- Option-D

Question53:-All are features of sensory ataxia except

A:-Sink sign

B:-Pseudoathetosis

C:-Rombergs sign

D:-Wadding gait

Correct Answer:- Option-D

Question54:-All are causes of euvolemic hyponatremia except

A:-Hypothyroidism

B:-Adrenal insufficiency

C:-Hyperthyroidism

D:-SIADH

Correct Answer:- Option-C

Question55:-Serum sickness is a representative example of following type of immunologically mediated drug reaction

A:-Anaphylatic type

B:-Cytotoxic Type

C:-Immune complex mediated

D:-Cell mediated

Correct Answer:- Option-C

Question56:-Given combinations of serological results indicates the following:

HBsAg - Negative

Anti HBe - Positive

HBeAg - Negative

IgM anti HBc - Negative

Anti HBs - Positive

IgG anti HBc - Positive

A:-Acute Hepatitis B

B:-Resolved acute Hepatitis B

C:-Chronic HBV with High replication

D:-Chronic HBV with low replication

Correct Answer:- Option-B

Question57:-All are causes of aortic regurgitation except?

A:-Rheumatoid Arthritis

B:-Aortic Dissection

C:-Congenital

D:-Syphilis

Correct Answer:- Option-C

Question58:-Following is small vessel Vasculitis

A:-Wegener's granulomatosis

B:-Kawasaki Disease

C:-Polyarteritis Nodosa

D:-Takayasu's disease

Correct Answer:- Option-A

Question59:-All are suppurative lung diseases except

A:-Bronchiectasis

B:-Lung Abscess

C:-Empyema

D:-Interstitial lung disease

Correct Answer:- Option-D

Question60:-Following is the drug associated with RED MAN SYNDROME

A:-Gemifloxacin

B:-Vancomycin

C:-Daptomycin

D:-Colistin

Correct Answer:- Option-B

Question61:-Negative symptoms of schizophrenia include all except

A:-Apathy

B:-Alogia

C:-Automatic obedience

D:-Avolition

Correct Answer:- Option-C

Question62:-Which among the following is used as an anticraving agent?

A:-Naltrexone

B:-Disulfiram

C:-Chlordiazepoxide

D:-Atomoxetine

Correct Answer:- Option-A

Question63:-All about dementia are true except

A:-Sundowning is associated with dementia

B:-Alzheimer's disease is a type of subcortical dementia

C:-Recurrent visual hallucinations and motor features of Parkinsonism are key features of dementia with Lewy bodies

D:-Pick's disease is a type of frontotemporal dementia

Correct Answer:- Option-B

Question64:-Pressure of speech usually occurs in

A:-Dementia

B:-Depression

C:-Mania

D:-Obsessive compulsive disorder

Correct Answer:- Option-C

Question65:-The period of gestation during which Nuchal Translucency (NT) scan is done

A:-7 - 10 weeks

B:-11 - 14 weeks

C:-16 - 19 weeks

D:-20 - 24 weeks

Correct Answer:- Option-B

Question66:-Which one of the following tocolytics is having neuroprotective effect on the fetus?

A:-Beta-mimetics

B:-Progestogens

C:-Calcium channel blockers

D:-Magnesium Sulphate

Correct Answer:- Option-D

Question67:-After vasectomy, additional method of contraception is advised for a period of

A:-1 Month

B:-2 Months

C:-3 Months

D:-6 Months

Correct Answer:- Option-C

Question68:-All of the following conditions cause amenorrhoea except

A:-Polycystic Ovarian Disease

B:-Congenital adrenal hyperplasia

C:-Fibroid uterus

D:-Hyperprolactinemia

Correct Answer:- Option-C

Question69:-Dermatophagoides Pteronyssinus is a

A:-Hard Tick

B:-House - Dust Mite

C:-Locust

D:-Butterfly

Correct Answer:- Option-B

Question70:-Black piedra is caused by

A:-Piedraia Hortae

B:-Exophiala werneckii

C:-Stenella araguata

D:-Trichophyton Rubrum

Correct Answer:- Option-A

Question71:-'Cluster of Jewels' sign is seen in

A:-Pemphigus vulgaris

B:-Dermatitis Herpetiformis

C:-Linear IgA disease

D:-Epidermolysis Bullosa simplex

Correct Answer:- Option-C

Question72:-Wide follicular pits in the triangular fossa of the ear is seen in

A:-Discoid lupus erythematosus

B:-Keratosis pilaris

C:-Phrynoderma

D:-Follicular mucinosis

Correct Answer:- Option-A

Question73:-In performing perioperative assessments, the most reliable biochemical predictors of operative morbidity and mortality across surgical specialities include which of the following

A:-Serum albumin

B:-Defects in cellular immunity

C:-Serum urea nitrogen level

D:-Prothrombin time

Correct Answer:- Option-A

Question74:-Which is true regarding hypertrophic scar

A:-Another name for keloid

B:-Common in face

C:-Preventable

D:-Worsened with steroids

Correct Answer:- Option-C

Question75:-Abdominal compartment syndrome produces all of the following except

A:-Acute renal failure

B:-Hypoxia

C:-Elevated urinary bladder pressure

D:-Intestinal obstruction

Correct Answer:- Option-D

Question76:-Deep second degree burns reepithelialise from retained keratinocytes in

A:-Rete ridges

B:-Hair follicles

C:-Reticular dermis

D:-Moll glands

Correct Answer:- Option-B

Question77:-"Spilled Teapot sign" is seen in



- A:-Perilunate dislocations
- B:-Scaphoid non-union
- C:-Fracture navicular
- D:-Talar dislocation

Correct Answer:- Option-A

Question78:-All are true about "Paprika sign" except

- A:-Determines limit of debridement
- B:-Characterised by punctuate cortical bleeding
- C:-Characterised by punctuate cancellous bleeding
- D:-Seen in avascular necrosis of head of femur

Correct Answer:- Option-D

Question79:-All are true about "SCFE" except

- A:-head slips posteriorly and inferiorly
- B:-Right hip more affected than left hip
- C:-Perkin's sign is seen
- D:-Steels metaphyseal blanch sign positive

Correct Answer:- Option-B

Question80:-Least common location of 'Chondroblastoma' among the following is

- A:-Distal femur
- B:-Proximal humerus
- C:-Proximal tibia
- D:-Proximal radius

Correct Answer:- Option-D

Question81:-Work hardening is a term used in rehabilitation for

- A:-Setting of the socket of a prosthesis
- B:-Improving muscle strength
- C:-Simulation of an occupation following Low back pain
- D:-Hardening of the resin laminate used in orthosis

Correct Answer:- Option-C

Question82:-The following are types of Dyskinesia in cerebral palsy except

- A:-Chorea
- B:-Ballismus
- C:-Athetosis
- D:-Spasticity

Correct Answer:- Option-D

Question83:-Kellegren's classification is used to assess the severity of

- A:-Parkinsonism
- B:-Osteo arthritis
- C:-COPD
- D:-Multiple Sclerosis

Correct Answer:- Option-B

Question84:-All of the following could be life threatening complications in a C5 complete spastic quadriplegic with diabetes except

- A:-Shoulder hand syndrome
- B:-Pressure sore - Trochanteric
- C:-Autonomic Dysreflexia
- D:-Aspiration Pneumonia

Correct Answer:- Option-A

Question85:-Thalidomide resulted in tragic epidemic of birth defects because

- A:-Previously it was harmless but became harmful due to mutation
- B:-Was toxic only in higher dose
- C:-Teratological effects may not become apparent until many thousands of women consume a particular drug
- D:-None of the above

Correct Answer:- Option-C

Question86:-The electron transport chain in mitochondria, which one is the only `Cu^(2+)` containing protein complex?

- A:-NADH-CoQ Reductase
- B:-Cytochrome C oxidase
- C:-Cytochrome C
- D:-`COQH\_(2)` - cytochrome C reductase

Correct Answer:- Option-B

Question87:-The frequency and intensity of incident radiation falling on a photosensitive surface is increased by a factor of two. This will

A:-Increase the maximum kinetic energy of the photoelectron as well as the photoelectric current by a factor of two

B:-Increase the maximum kinetic energy of photoelectron and would increase the photoelectric current by a factor of two

C:-Increase the maximum kinetic energy of the photoelectron by a factor of two and have no effect on the photoelectric current

D:-Increase the photoelectric current by a factor of two and have no effect on kinetic energy of the photoelectron

Correct Answer:- Option-B

Question88:-Morphine, the first alkaloid was extracted by German pharmacologist

A:-Castaing

B:-F.W.A. Serturmer

C:-Pellatan

D:-Humphry Davy

Correct Answer:- Option-C

Question89:-Concerning anaphylactic and anaphylactoid reactions during anesthesia the most common precipitating agent is

A:-Latex

B:-Antibiotics

C:-Amide local anesthetics

D:-Neuromuscular blocking agents

Correct Answer:- Option-D

Question90:-Concerning LMA ProSeal choose the incorrect statement

A:-Second generation Supraglottic airway device

B:-Allows positive pressures upto 30 cm H<sub>2</sub>O

C:-Cuff pressures should not exceed 30 cm H<sub>2</sub>O

D:-Incorporates a gastric drainage tube that allows for gastric access with an orogastric tube

Correct Answer:- Option-C

Question91:-The most accurate technique for assessing residual neuromuscular blockade is by

A:-Acceleromyography

B:-TOF ratio

C:-50 Hz Tetanic stimulation

D:-Double burst stimulation

Correct Answer:- Option-A

Question92:-Concerning crystalloids choose the incorrect statement

A:-Currently available balanced salt solutions have lower osmolarity than isotonic saline

B:-Buffer in the balanced salt solution is metabolised to produce bicarbonate

C:-Excretion of excess water and electrolyte load with balanced salt solution is slower than with isotonic saline

D:-Balanced salt solution do not reduce strong ion difference to the same degree as isotonic saline and therefore do not cause acidosis

Correct Answer:- Option-C

Question93:-All are methods for confirming proper endotracheal intubation EXCEPT

A:-Pulse oximetry

B:-Spirometry

C:-Capnography

D:-Chest X-ray

Correct Answer:- Option-B

Question94:-Which is FALSE regarding the history of anaesthesia?

A:-Oliver Wendell Holmes coined the term Anaesthesia

B:-Nitrous oxide was first synthesised by Joseph Priestley

C:-First public administration of anaesthesia was by W T G Morton

D:-The use of chloroform was popularised in England by Humphrey Davy

Correct Answer:- Option-D

Question95:-All are examples of spinal needles EXCEPT

A:-Quinckes needle

B:-Tuohy needle

C:-Sprotte needle

D:-Whitacre needle

Correct Answer:- Option-B

Question96:-Which among the following is NOT CORRECT regarding latest CPR guidelines

A:-The sequence of events in resuscitation is C-A-B and not A-B-C

B:-You should minimize pause during compressions

C:-Recommended chest compression rate is 100 - 120

D:-Chest compressions should be more than 6 cms

Correct Answer:- Option-D

Question97:-Which metal ingestion is known to mimic Kawazaki disease?

A:-Lead

B:-Arsenic

C:-Cadmium

D:-Mercury

Correct Answer:- Option-D

Question98:-The fragile site that has its clinical significance in Fragile X Syndrome is

A:-Xp 28.3

B:-Xq 27.3

C:-Xp 21.3

D:-Xq 28.5

Correct Answer:- Option-B

Question99:-Mission Indradhanush was launched in the year

A:-2013

B:-2014

C:-2015

D:-2016

Correct Answer:- Option-B

Question100:-For prophylaxis of pediatric migraine the only FDA approved drug is

A:-Flunarizine

B:-Topiramate

C:-Onabotulinum toxin

D:-Sumatriptan

Correct Answer:- Option-C