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

Question 10: Hormone that widens pulse pressure is  
A: Angiotensin  
B: Vasopressin  
C: Thyroxine  
D: Norepinephrine  
Correct Answer: Option C

Question 11: 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: The 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

Question 12: Arneath 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

Question 13: Railway spine is  
A: Hyper flexion injury  
B: Hyper extension injury  
C: Concussion of spine  
D: Contusion of spine  
Correct Answer: Option C

Question 14: Most specific chemical test for detection of semen is  
A: Florence test  
B: Barberios test  
C: Teich Mann's test  
D: Acid phosphatase test  
Correct Answer: Option D

Question 15: Cerebra odollam is a predominant fatal  
A: Cardiac poison  
B: Hepatorenal poison  
C: Respiratory depressent  
D: Gastro intestinal poison  
Correct Answer: Option A

Question 16: 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

Question 17: 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

Question 18: Pontiac fever is caused by  
A: Aspergillus fumigatus  
B: Sreptobacillus moniliformis  
C: Spirillum minus  
D: Legionella pneumophilia  
Correct Answer: Option D
Question 19: Mercaptoethanol reduction of Ig molecule produces
A: Two Fab fragments and one Fc fragment
B: One F’(ab)’(2) fragment
C: Two heavy chains and two light chains
D: None of the above
Correct Answer: Option C

Question 20: 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: Prediliction for CNS
Correct Answer: Option A

Question 21: All are actions of atropine on eye except
A: Mydriasis
B: Cycloplegia
C: Decrease intraocular tension
D: Decrease Lacrimation
Correct Answer: Option C

Question 22: Which is a neuromuscular blocker
A: Succinyl Choline
B: Hexamethonium
C: Trimethaphan
D: Guanethidine
Correct Answer: Option A

Question 23: Which is an Ester
A: Procaine
B: Bucricaine
C: Prilocaine
D: Ropivacaine
Correct Answer: Option A

Question 24: Tianeptine is
A: 5 HT uptake enhancer
B: Gaba inhibitor
C: Norepinephrine reuptake inhibitor
D: Mao inhibitor
Correct Answer: Option A

Question 25: The primary cells infected by M. tuberculosis are
A: TH1 cells
B: Macrophages
C: B lymphocytes
D: Plasma cells
Correct Answer: Option B

Question 26: 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 vasicular steatosis
Correct Answer: Option A

Question 27: 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 A

Question 28: 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

Question 29.- 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

Question 30.- 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

Question 31.- All are Phenotypic methods for detection of Mycobacteria directly from clinical samples except
A:- Cartridge Based Nucleic acid amplification test
B:- TB STAT-PAC
C:- Insta test TB
D:- Fast Plaque TB
Correct Answer:- Option-A

Question 32.- 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

Question 33.- 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

Question 34.- 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

Question 35.- Most effective form of Chlorine in water disinfection is
A:- Hyochlorite ion
B:- Hypochlorous ion
C:- Hypochloric acid
D:- Hypochlorous acid
Correct Answer:- Option-D

Question 36.- 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

Question 37.- Fixation is completed by
A:- 1 month
B:- 2 years
C:- 6 months
D:- 1 year
Correct Answer:- Option-C

Question 38.- 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

Question 39: Which of the following intraocular foreign body causes suppurative reaction  
A: Nickel  
B: Platinum  
C: Porcelain  
D: Gold  
Correct Answer: Option A

Question 40: Major cause of blindness in India is  
A: Refractive errors  
B: Glaucoma  
C: Trachoma  
D: Cataract  
Correct Answer: Option D

Question 41: 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

Question 42: Which of the following is true about Peter's anomaly?  
A: Treatment is with rigid gas permeable lenses  
B: Defects in corneal endothelium and Descemets membrane  
C: Identification of PAX_(6) mutation in all cases  
D: Bilaterality in 10% of cases  
Correct Answer: Option B

Question 43: 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

Question 44: 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

Question 45: Isshiki - 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

Question 46: 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

Question 47: Epistaxis most common site is  
A: Woodruffs plexus  
B: Little's area  
C: Donaldson's line  
D: Hyrtes fissure  
Correct Answer: Option B

Question 48: 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 aphonía
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:-Anaphylactic 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

Question 58: Following is small vessel Vasculitis
A: Wegener's granulomatosis
B: Kawasaki Disease
C: Polyarteritis Nodosa
D: Takayasu's disease
Correct Answer: Option A

Question 59: All are suppurative lung diseases except
A: Bronchiectasis
B: Lung Abscess
C: Empyema
D: Interstitial lung disease
Correct Answer: Option D

Question 60: Following is the drug associated with RED MAN SYNDROME
A: Gemifloxacin
B: Vancomycin
C: Daptomycin
D: Colistin
Correct Answer: Option B

Question 61: Negative symptoms of schizophrenia include all except
A: Apathy
B: Alogia
C: Automatic obedience
D: Avolition
Correct Answer: Option C

Question 62: Which among the following is used as an anticraving agent?
A: Naltrexone
B: Disulfiram
C: Chlordiazepoxide
D: Atomoxetine
Correct Answer: Option A

Question 63: 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

Question 64: Pressure of speech usually occurs in
A: Dementia
B: Depression
C: Mania
D: Obsessive compulsive disorder
Correct Answer: Option C

Question 65: 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

Question 66: 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

Question 67: 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

Question 68: All of the following conditions cause amenorrhea except
A: Polycystic Ovarian Disease
B: Congenital adrenal hyperplasia
C: Fibroid uterus
D: Hyperprolactinemia
Correct Answer: Option C

Question 69: Dermatophagoides Pteronyssinus is a
A: Hard Tick
B: House - Dust Mite
C: Locust
D: Butterfly
Correct Answer: Option B

Question 70: Black piedra is caused by
A: Piedraia Hortae
B: Exophiala werneckii
C: Stenella araguata
D: Trichophyton Rubrum
Correct Answer: Option A

Question 71: '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

Question 72: 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

Question 73: 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

Question 74: 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

Question 75: 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

Question 76: 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

Question 77: "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
Question 87: 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

Question 88: Morphine, the first alkaloid was extracted by German pharmacologist
A: Castaing
B: F.W.A. Serturner
C: Pellatan
D: Humphry Davy
Correct Answer: Option C

Question 89: 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

Question 90: Concerning LMA ProSeal choose the incorrect statement
A: Second generation Supraglottic airway device
B: Allows positive pressures up to 30 cm H2O
C: Cuff pressures should not exceed 30 cm H2O
D: Incorporates a gastric drainage tube that allows for gastric access with an orogastric tube
Correct Answer: Option C

Question 91: 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

Question 92: Concerning crystalloids choose the incorrect statement
A: Currently available balanced salt solutions have lower osmolality 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

Question 93: All are methods for confirming proper endotracheal intubation EXCEPT
A: Pulse oximetry
B: Spirometry
C: Capnography
D: Chest X-ray
Correct Answer: Option B

Question 94: 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

Question 95: All are examples of spinal needles EXCEPT
A: Quinckes needle
B: Tuohy needle
C: Sprotte needle
D: Whitacre needle
Correct Answer: Option B
Question 96: 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

Question 97: Which metal ingestion is known to mimic Kawasaki disease?
   A: Lead
   B: Arsenic
   C: Cadmium
   D: Mercury
   Correct Answer: Option D

Question 98: 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

Question 99: Mission Indradhanush was launched in the year
   A: 2013
   B: 2014
   C: 2015
   D: 2016
   Correct Answer: Option B

Question 100: For prophylaxis of pediatric migraine the only FDA approved drug is
   A: Flunarizine
   B: Topiramate
   C: Onabotulinum toxin
   D: Sumatriptan
   Correct Answer: Option C