

NEET PG – MOCK TEST 1

Q.1) A newborn was evaluated for routine screening was found to have hypoplasia of limb, fundal examination suggestive of chorioretinitis. MRI finding reveals evidence of cerebral atrophy. Which of the following investigation would you suggest to know the etiology

- a) Anti HSV antibody
- b) Anti toxoplasma Antibody
- c) Anti CMV antibody
- d) Anti VZV antibody

Q.2) Rohr's stria found in the placenta are due to:

- a) Deposition of fibrin
- b) Langhans' cells accumulation
- c) Hofbauer cells accumulation
- d) Blood vessels

Q.3) Drug not given in PCOD is?

- a) Clomiphene
- b) Oral contraceptive
- c) Tamoxifen
- d) Metformin

Q.4) Which of the following hormones does not cross the placenta?

- a) Chorionic gonadotrophin
- b) Growth hormone
- c) Thyroxine
- d) Calcitonin

Q.5) Amniotic membrane contains:

- a) Blood vessels
- b) Nerves
- c) Glycerophospholipids
- d) All of the above

Q.6) Carbetocin: dosage for PPH is?

- a) 50microgram I.V
- b) Single 100 microgram dose I.M.
- c) 150microgram I.V single dose
- d) 200mg

Q.7) The chest compression to respiration ratio of a lone rescuer in CPR across all ages is?

- a) 30:1
- b) 30:2
- c) 15:1
- d) 15:2

Q.8) Healthy thinking includes all except?

- a) Continuity
- b) Clarity
- c) Constancy
- d) Organisation

Q.9) While at the grocery shop, you see an elderly slumps to the floor. Going to her aid, your first step in adult basic life support (CPR) should be which of the following:

- a) Check for a carotid pulse
- b) Assess breathing
- c) Establish an airway
- d) Determine responsiveness

Q.10) In APLA syndrome patient, routine treatment to prevent abortion?

- a) Low dose heparin and aspirin
- b) Corticosteroids
- c) IVI
- d) Plasmapheresis

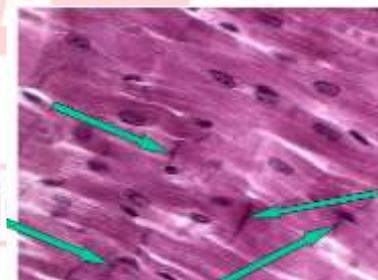
Q.11) Following statement is true for Breath holding spells :

- a) Pallid spells are common as compared to cyanotic spells
- b) Atropine is contraindicated.
- c) Interictal EEG is normal.
- d) The cry of child stops in full inspiration who becomes pale or cyanotic.

Q.12) Main blood supply for neck of the femur?

- a) Medial circumflex femoral artery
- b) Lateral circumflex femoral artery
- c) Artery to profunda femoris
- d) Artery to quadriceps femoris

Q.13) The marked structure in the below picture is made up of all excepts?



- a) Zonula adherens
- b) Fascia adherens
- c) Gap junctions
- d) Macula adherens

Q.14) A 22 years old female Kamala, who had body mass index 18 before pregnancy, was pregnant for first time. She may be allowed to weight gain upto:

- a) 7kg
- b) 13kg
- c) 18 kg
- d) 21 kg

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Q.15) A young 22 year old male with Elevated AFP 2200, presents with painless testicular swelling and CT abdomen is normal, Next line of management is?

- a) High Inguinal Orchiectomy
- b) Core needle Biopsy / Trucut
- c) FNAC
- d) PET CT

Q.16) Lepatanib is used in:

- a) CML
- b) CLL
- c) Solid tumors
- d) Brain tumors

Q.17) A 7-year-old girl with spastic diplegia had valgus foot deformities 3 months following lumbar selective posterior rhizotomy. Most appropriate treatment is

- a) Observation
- b) Application of bilateral ankle-foot or toes
- c) Lengthening of the Achilles tendon
- d) Extraarticular talocalcaneal arthrodesis

Q.18) A 60-year-old woman eats a high carbohydrate meal. Her plasma glucose concentration rises, and this results in increased insulin secretion from the pancreatic islet cells. The insulin response is an example of?

- a) Chemical equilibrium
- b) End-product inhibition
- c) Feed forward control
- d) Negative feedback

Q.19) This appearance of mammary skin is due to:



- a) Intra-epithelial cancer
- b) Sub-epidermal cancer
- c) Lymphatic penetration
- d) Vascular embolization

Q.20) The ascitic fluid analysis from a 42-year-old woman who presents with a distended abdomen shows raised protein at 45 g/L. Which one of the following conditions is not likely to be responsible for this woman's illness?

- a) Tuberculous peritonitis

- b) Meigs' syndrome
- c) Budd-Chiari syndrome
- d) Constrictive pericarditis

Q.21) Which one of the following ankle brachial index is diagnostic of PAD?

- a) Less than 0.80
- b) Less than 0.90
- c) Less than 0.70
- d) More than 1

Q.22) Rimonabant is:

- a) Opioid
- b) Alpha-2 antagonist
- c) CB-1 blocker
- d) New memory enhancing drug

Q.23) Tetanus toxin and botulinum toxin exert their effects by disrupting the function of SNARES, inhibiting?

- a) Propagation of the action potential
- b) The function of voltage-gated ion channels
- c) The docking and binding of synaptic vesicles to the presynaptic membrane
- d) The binding of transmitter to the postsynaptic receptor

Q.24) Mention the true statement regarding Aquasomes.

- a) They are lipid carrier molecules
- b) Aquasomes are being proposed as a carrier system for delivery of peptide based pharmaceuticals
- c) They have a lipid coating that stabilizes biochemically active molecules.
- d) They comprise central solid protein core.

Q.25) Wallenberg's syndrome is most likely to result from occlusion of what artery ?

- a) Anterior cerebral artery supplying the medial portion of the cerebral hemisphere
- b) Lenticulostriate artery supplying the posterior limb of the internal capsule
- c) Posterior cerebral artery supplying the occipital lobe
- d) Posterior inferior cerebellar artery supplying the cerebellum

Q.26) All of the following include grievous injuries, except:

- a) Loss of testes
- b) Loss of an eye
- c) Loss of a kidney
- d) Abrasion of the face

Q.27) Floating 'Water- Lily' sign is seen in:

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- a) Hydatid cyst
- b) Aspergillosis
- c) Tuberculosis cavity
- d) Amoebic liver abscess

Q.28) Which of these is not concerned with regulation of feeding by hypothalamus

- a) Galanin-like peptide
- b) Oxyntomodulin
- c) GIP
- d) GLP 1

Q.29) The best prognostic indicator of hepatitis in Neonates is :-

- a) SGPT
- b) Prothrombin time
- c) Albumin
- d) Bilirubin

Q.30) In a laboratory tests find the presence of antibodies directed against the microvasculature of skeletal muscle. Most likely diagnosis is?

- a) Ataxia-telangiectasia
- b) Becker muscular dystrophy
- c) Charcot-Marie-Tooth disease
- d) Dermatomyositis

Q.31) LAMB syndrome is associated with?

- a) HOCM
- b) Atrial fibrillation
- c) Atrial myxoma
- d) Endocarditis

Q.32) On a fetal ultrasonography at 15 - 20 weeks, nuchal pad thickening is considered significant if it is more than:

- a) 10 mm
- b) 6 mm
- c) 2 mm
- d) 4 mm

Q.33) Identify the instrument shown?



- a) Allis forceps
- b) Babcock forceps
- c) Kocher forceps
- d) Adson forceps

Q.34) What is the pH of the solution if the Hydrogen ion concentration is 5 millimoles/L.

- a) 3.7
- b) 2.3
- c) 6.6
- d) 4.8

Q.35) Treatment of choice for the prophylaxis of Bronchial Asthma in a one year old child is?

- a) Inhaled beta -2 agonists
- b) Theophylline
- c) Oral ketotifen
- d) Oral Leukotriene receptor antagonists

Q.36) Term hara-kiri used for knife applied?

- a) Over head and neck
- b) Over chest and wrist
- c) Over abdomen
- d) Over wrist

Q.37) Nelarabine is:

- a) Nucleoside analogue
- b) Antiviral
- c) Anti-HCV
- d) Anti-HBV

Q.38) All of the following are causes of a mydriatic pupil, except:

- a) Third nerve palsy
- b) Atropine
- c) Holmes-Adie pupil
- d) Argyll-Robertson pupil

Q.39) Calibre is?

- a) Distance between two lands of a rifle
- b) Distance between opposite land and groove
- c) Ratio of length and width of the barrel
- d) Distance between two groove

Q.40) A 65-year-old female is hospitalized due to an overdose of a long-acting propranolol preparation. O/E her pulse 36/min and BP 90/50. The bradycardia fails to respond to atropine. The most appropriate management is:

- a) Temporary cardiac pacing
- b) Hemodialysis
- c) Glucagon
- d) Noradrenaline infusion

Q.41) A 9-year old has significant social difficulties due to her unusual behaviors. Her grunts, her motor tics and coprolalia are a constant cause of embarrassment and shame. What medication can relieve her symptoms?

- a) Methylphenidate

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- b) Clomipramine
- c) Sertraline
- d) Haloperidol

Q.42) A dead body is having cadaveric lividity of bluish green colour. The most likely cause of death is by poisoning due to:

- a) Hydrocyanic acid
- b) Hydrogen sulphide
- c) Oleander
- d) Sodium nitrite

Q.43) A 68-year-old man presents with recent onset headache and vomiting. Ophthalmoscopy reveals optic atrophy in the right eye and papilloedema in the left one. The most likely diagnosis is?

- a) Pinealoma
- b) Medulloblastoma
- c) Acoustic neuroma
- d) Sphenoid wing meningioma

Q.44) mTOR functions include all except

- a) Cell motility
- b) Cell growth
- c) Transplant rejection
- d) Delayed aging

Q.45) Carnitine Palmitoyltransferase-I (CPT-I) is inhibited by

- a) Malonyl-CoA
- b) Pyruvate
- c) Acetyl-CoA
- d) Citrate

Q.46) Which of the following compound is common precursor in the biosynthesis of triacylglycerol, phosphoglyceroyl and cardiolipin

- a) Lecithin
- b) Ceramide
- c) Phosphatidyl choline
- d) Phosphatidate

Q.47) Prolonged use of voriconazole in immunocompromised patients with haematologic disease, are prone to get?

- a) Mucormycosis
- b) Tetanus
- c) Typhoid
- d) Rabies

Q.48) One of the following is not a ratio:

- a) Prevalence
- b) Case fatality rate
- c) Proportional mortality rate
- d) Age - specific death rate

Q.49) Pseudohyperkalemia is seen in?

- a) DKA
- b) CLL
- c) CRF
- d) RTA type IV

Q.50) The mechanism of action of tacrolimus is :

- a) Mercaptopurine antagonist
- b) Inhibits inosine monophosphate dehydrogenase
- c) Monoclonal antibody against IL-2 receptor
- d) Decreases IL-2 release by inhibiting calcineurin

Q.51) The image shows presence of which type of cataract?



- a) Stellate cataract
- b) Steroid induced cataract
- c) Lamellar cataract
- d) Posterior subcapsular cataract

Q.52) Cytomegalovirus infection in utero causes all of the following except :

- a) Preterm labour
- b) Microcephaly
- c) Optic atrophy
- d) Mental retardation

Q.53) Which of the following spine deformities is being evaluated?



- a) Scoliosis
- b) Kyphosis
- c) Gibbus
- d) Lordosis

Q.54) All are true about this reflex except?

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- a) Embracing reflex
- b) Bilateral absence is seen in HIE stage III
- c) First primitive reflex to disappear
- d) Unilateral absence in Erb's palsy.

Q.55) Which of the following is not seen in inter photoreceptor matrix?

- a) Glycoproteins
- b) Metalloproteinase
- c) Proteoglycans
- d) Glycolipids

Q.56) Hyperintense on T1 MRI are the following EXCEPT:

- a) Bone marrow
- b) Gelatine sponge
- c) Pituitary gland
- d) Myxoid lipoma

Q.57) Which one of the following statements is true regarding *Listeria monocytogenes* :

- a) Multiplies rapidly at high temperatures
- b) The organism is resistant to ampicillin
- c) It is a Gram negative bacillus
- d) May cause ataxia

Q.58) A 35-year-old female presented with solitary painless genital ulcer associated with painful inguinal lymphadenopathy. She has recently developed rectal pain and tenesmus. The most likely diagnosis is:

- a) Lymphogranuloma venereum
- b) Syphilis
- c) Granuloma inguinale
- d) Chancroid

Q.59) Alvimopan used for:

- a) Opioid induced constipation
- b) Diarrhea
- c) Depression
- d) Diabetes

Q.60) Which of the following is the correct sequence of cellular events of acute inflammation?

- a) Rolling----Stable adhesion---Activation of integrins----migration via endothelium.
- b) Rolling ----Activation of Integrins---- Stable Adhesion---- migration via endothelium.

- c) Stable adhesion---Rolling----Activation of integrins----migration via endothelium.
- d) Activation of integrins---- migration via endothelium---stable adhesion--- Rolling.

Q.61) Which of the following is seen with Sarcoidosis?

- a) Band keratopathy
- b) Angioid streak
- c) Choroid plaques
- d) Cataract nigra

Q.62) Small intestine is differentiated from large intestine by all except :

- a) Larger circumference
- b) Thicker walls
- c) More fat in mesentery
- d) Longer vasa recta

Q.63) A hydrocele can be tapped by inserting a needle into the distended tunica vaginalis. In this procedure the following is not pierced :

- a) Dartos muscle and superficial fascia
- b) Tunica albuginea
- c) Internal spermatic fascia
- d) Cremasteric fascia

Q.64) True about cluster sampling is all except:

- a) Sample size same as simple random sampling
- b) Rapid method
- c) Independent of result
- d) Done for evaluating immunization status

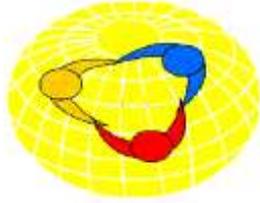
Q.65) Newer Treatment for this disorder are all except?

- a) SEPS
- b) TACE
- c) TRIVEX
- d) ENDOLASER



Q.66) Identify the national health program depicted by the symbol

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- a) IDSP
- b) NPCDCS
- c) RCH
- d) National deworming program

Q.67) Which of the following is virtually diagnostic of aortitis on chest x-ray?

- a) Calcification in descending aorta
- b) Calcification of ascending aorta
- c) Calcification of pulmonary artery
- d) Focal oligemia

Q.68) If the probability of getting Rh +ve is 0.9 and probability of newborn being male is 0.5, then the probability of new born being a male with Rh +ve is:

- a) 0.9
- b) 0.5
- c) 0.45
- d) 1.3

Q.69) Crazy paving appearance in HRCT is seen in?

- a) Silicosis
- b) Coal worker's pneumoconiosis
- c) Asbestosis
- d) Berylliosis

Q.70) "Stabilizing induction" is a term related to:

- a) Intrauterine death.
- b) Antepartum death.
- c) Malpresentation.
- d) IUGR.

Q.71) False about medio-lateral episiotomy:

- a) Easy surgical repair.
- b) Extensions are uncommon.
- c) Occasionally patients c/o dyspareunia)
- d) Blood loss is more.

Q.72) True about Herpes Infection in a pregnant patient are all except:

- a) Affected in the first trimester, there is 50% chance of miscarriage.
- b) Risk of infection is higher in those who are having recurrent Herpes infection.
- c) The risk of acquiring infection in infant is similar whether the infant is term or preterm.
- d) Acyclovir is used in disseminated herpes infection.

Q.73) Fetal fibroblasts are studied in :

- a) Chorionic villus sampling.
- b) Amniocentesis.
- c) Cordocentesis.
- d) PUBS.

Q.74) "Conradi's syndrome" is produced by ingestion of which of the following during pregnancy:

- a) Warfarin
- b) Bromocriptine
- c) Prednisolone
- d) Phenytoin

Q.75) Strong and uniformly enhancing intracranial tumors are the following EXCEPT:

- a) Pituitary adenoma
- b) Oligodendrolioma
- c) Vestibular schwannoma
- d) Meningioma

Q.76) Identify the image given below?



- a) Vaginal ring
- b) Vaginal sponge
- c) Diaphragm
- d) IUD

Q.77) All are true about BCG vaccination except

- a) WHO recommended "PPD-RT-23 with Tween 80" for vaccination.
- b) Injection of BCG should be strictly intradermal, using a tuberculin syringe and a 26 G needle.
- c) The protection is maximum against the hematogenous spread of M. tuberculosis, which results in miliary TB or TB meningitis.
- d) Normal saline is recommended as a diluent for reconstitution and reconstituted vaccine should be use in 3 hrs.

Q.78) Which of the following statement is wrong regarding oestrogen action on the endometrium:-

- a) It causes proliferative endometrium
- b) It causes corkscrew-shaped glands in the endometrium
- c) It can cause adenocarcinoma of endometrium
- d) It increases the uterine and endometrial vascularity

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Q.79) End product of purine metabolism in non primate mammals

- a) Xanthine
- b) Uric acid
- c) Inosine
- d) Allantoin

Q.80) Comparison of the value obtained and a predetermined objective is done by:

- a) Evaluation
- b) Monitoring
- c) Input - output analysis
- d) Network analysis

Q.81) A 17 year old children hyper-extended the fingers of a 13 year old child while quarreling. Which metacarpo-phalangeal joint is most likely to dislocate?

- a) Second
- b) Third
- c) Fourth
- d) Fifth

Q.82) Randomization in a clinical trial is done manly to:

- a) Help ensure the studies subjective are representative of general population
- b) Reduce selection bias in allocation of treatment
- c) Ensure group are comparable on base line characteristic
- d) Facilitate double blinding

Q.83) Which of the following conditions causes pulse pressure to increase?

- a) Tachycardia
- b) Hypertension
- c) Hemorrhage
- d) Aortic stenosis

Q.84) The deepest and the commonest site of subphrenic abscess is :

- a) Right subphrenic space
- b) Right subhepatic space
- c) Left subphrenic space
- d) Left subhepatic space

Q.85) The differentiating feature between torsion testis and epididymo-orchitis on Doppler ultrasound is:

- a) Increased blood flow suggests torsion while it is decreased in epididymo-orchitis.
- b) Increase flow suggests epididymo-orchitis while decreased flow suggests torsion.
- c) Cannot differentiate the two.
- d) None of the above statement is correct.

Q.86) Which of the following conditions at the A-V node causes a decrease in heart rate?

- a) Decreased acetylcholine levels
- b) Increased norepinephrine levels
- c) Increased potassium permeability
- d) Increased calcium permeability

Q.87) Ogilvie's Syndrome is :

- a) Acquired mega colon
- b) Colonic pseudo obstruction
- c) Colonic diverticulosis
- d) Sigmoid volvulus

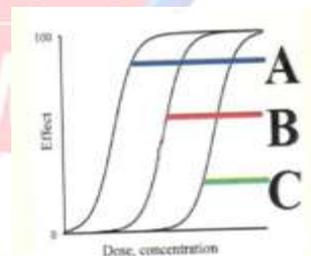
Q.88) During lumbar sympathectomy (open method) all can be confused for the lumbar sympathetic chain except:

- a) Genitofemoral nerve
- b) Iliohypogastric nerve
- c) Lymph nodes and lymphatics
- d) Tendinous strip of psoas minor

Q.89) Most common cause of Malignant spinal cord compression is?

- a) CA lung
- b) CA prostate
- c) CA breast
- d) Melanoma

Q.90) In Drug response curved of 3 drugs shown in Photograph, following has highest potency ?



- a) A
- b) B
- c) C
- d) All three have equal potency

Q.91) Following statement regarding toxoplasmosis is true

- a) It is a type of flagellate
- b) Congenital toxoplasmosis results in optic nerve atrophy
- c) The cat is the only known animal reservoir
- d) Infection is usually self-limiting

Q.92) ACE levels are increased in?

- a) Sarcoidosis
- b) COPD
- c) ABPA
- d) None of the above

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Q.93) Pegvisomant is used in the treatment of?

- a) Acromegaly
- b) Cushing syndrome
- c) Hypopituitarism
- d) Addison disease

Q.94) A 6-year-old girl is suspected of having tuberculosis but is unable to cough up sputum. Which of the following investigations is most appropriate to confirm the diagnosis?

- a) Bronchoscopy and lavage
- b) Bone marrow biopsy
- c) Gastric washings
- d) Blood cultures

Q.95) Which of the following is not a feature of pseudo hypoparathyroid?

- a) High PTH
- b) Hypocalcemia
- c) Dermal candidiasis
- d) Mental retardation

Q.96) Delayed leukopenia is a side effect of?

- a) Cyclophosphamide
- b) Biosulphane
- c) Melphalan
- d) CCNU

Q.97) Which of the following neuro complications of HIV may be identified by an India ink stain :

- a) Progressive multifocal leukoencephalopathy
- b) AIDS dementia complex
- c) Tuberculosis
- d) Cryptococcus

Q.98) Glatiramer is used in the prophylaxis of

- a) Parkinsonism
- b) Alzheimer's disease
- c) Multiple sclerosis
- d) Epilepsy

Q.99) Which enzymes plays an important role in regulating blood glucose levels after feeding ?

- a) Glucokinase
- b) Glucose-6-phosphatase
- c) Phosphofructokinase
- d) Pyruvate kinase

Q.100) Allergic contact dermatitis is an example of which type of hypersensitivity reaction?

- a) Anaphylactic
- b) Cytotoxic
- c) Immune complex
- d) Cell-mediated delayed response

Q.101) Mallory body is composed of:

- a) Keratin intermediate filaments
- b) Triglycerides
- c) Cholesterol esters
- d) Mucopolysaccharide

Q.102) The terms oncosis means:

- a) Prelethal changes preceding necrotic cell death
- b) Initiation of carcinogenesis
- c) Promotion of carcinogenesis
- d) Ability of chemical to induce mutations

Q.103) Which of the following enzyme does not help in scavenging free radicals?

- a) Catalase
- b) Superoxide dismutase
- c) Glutathione peroxidase
- d) NADPH oxidase

Q.104) Wiskott - Aldrich syndrome is an inherited disease of cytoskeleton. It does not consists of:

- a) Platelet abnormalities
- b) Immune deficiency
- c) Eczema
- d) Red blood cell abnormalities

Q.105) A 70 years old patient was brought to emergency ward in a comatose state. His ABG was done and findings are as follows:

Na = 135 meq/lit, K=5 meq / lit,
HCO₃ = 10 meq/ lit, blood glucose 20 mmol/lit
BUN = 4 mmol/lit

What is your diagnosis?

- a) Non ketotic hyperosmolar diabetic coma
- b) D.K.A
- c) Hypoglycemic coma
- d) Lactic acidosis

Q.106) Which of the substance increases the permeability of blood-brain barrier and improves penetration of drugs in the brain?

- a) Substance P
- b) Neurokinin A
- c) Enkephalins
- d) Histamine

Q.107) Best method of studying follicular maturation is:

- a) E2 level in the plasma
- b) Progesterone level in plasma
- c) Serial ultrasound
- d) Endometrial biopsy

Q.108) Which of the following is an X -linked dominant disorder?

- a) Tuberous Sclerosis
- b) Diabetes insipidus

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- c) Fragile - X syndrome
d) Vitamin D - resistant rickets,

Q.109) Calsequestrin is present maximally in?

- a) Prostate
b) Muscle
c) Neurons
d) GIT

Q.110) Which of the following is a differential diagnosis of cirrhosis of liver?

- a) Constrictive pericarditis
b) Ulcerative colitis
c) Ca stomach
d) None of the above

Q.111) A 17-year-old boy is diagnosed with schizophrenia. What is the risk that one of his siblings will develop the disease ?

- a) 2%
b) 5%
c) 10%
d) 20%

Q.112) Which is not a feature of Gordon syndrome?

- a) Hypokalemia
b) Metabolic acidosis
c) Hypertension
d) All are seen.

Q.113) Vitamin A intoxication causes injury to

- a) Lysosomes
b) Mitochondria
c) Endoplasmic reticulum
d) Microtubules

Q.114) EBV enters nasopharyngeal epithelial cells through

- a) CD 3
b) CD 4
c) CD 8
d) CD 21

Q.115) Which of the following is responsible for green color on antibiotic disk sensitivity testing?

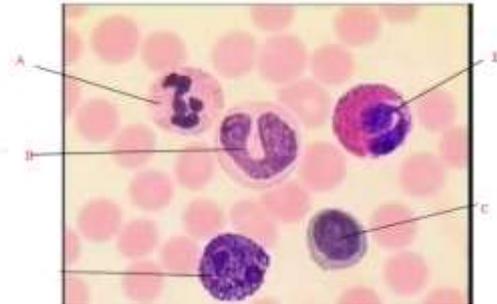


- a) Pyoverdinin and pyocyanin
b) Pneumolysin
c) Optochin
d) Alpha hemolysin

Q.116) Following organ is most commonly injured during birth:

- a) Liver
b) Spleen
c) Adrenals
d) Ureter

Q.117) Below is the picture of a peripheral smear. Which of the following marked cells will increase in a worm infestation?



- a) A
b) B
c) C
d) D

Q.118) A 72-year old man develops acute urinary retention and blurred vision after taking an antidepressant for 3-days. Which medication is most likely to cause such side effect ?

- a) Venlafaxine
b) Paroxetine
c) Bupropion
d) Amitriptyline

Q.119) Andreas Gruntzig is known for his contribution for which of the following?

- a) He introduced PTCA
b) He did the first cardiac transplant
c) He introduced thrombolytic therapy
d) He did the first coronary artery bypass surgery

Q.120) Which of the following tissue is least vulnerable to radiation induced cancer?

- a) Thyroid
b) Breast
c) Salivary gland
d) Skin

Q.121) Meyers - Kouvenaar bodies are found in:

- a) Filariasis
b) Malaria of
c) Schistosomiasis
d) Leprosy

Q.122) Interpret the following data.

$\text{HCO}_3^- = 38 \text{ meq / lit}$, $\text{Ph} = 7.50$

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$PCO_2 = 20$ mm Hg, $PO_2 = 90$ mm Hg,

- Mix metabolic acidosis & respiratory acidosis
- Mix metabolic alkalosis & respiratory acidosis
- Mix metabolic acidosis & respiratory alkalosis
- Mix metabolic alkalosis & respiratory alkalosis

Q.123) Which of the following statements is incorrect:

- C-reactive protein has been suggested as a predictor of risk of coronary heart disease.
- Peak incidence of acute myocardial infarction (MI) is between 6 a.m. and 12 noon.
- 90% stenosis of coronary arteries can lead to inadequate coronary blood flow even at rest.
- Postmenopausal hormone replacement therapy protects women against MI.

Q.124) PNH is not associated with:

- Deficiency of decay accelerating factor
- Deficiency of membrane inhibitor of reactive lysis.
- PNH affects red blood cells only
- PNH patients are at increased risk for developing acute myelogenous leukemia.

Q.125) CD79a is a marker for:

- B lymphocytes
- T lymphocytes
- Macrophage associated
- Activation marker.

Q.126) Which of the following organisms is not stained by Indian ink preparation?

- Treponema pallidum
- Cryptococcus
- Streptococcus pneumoniae
- Vibrio cholera

Q.127) A patient Heeralal, 45 years old, having cough from previous 3 months, is suspected to have TB. His sputum is sent for culture. Adding of which antiseptic will not affect growth of tubercle bacilli?

- Hypochlorites
- Malachite green
- Chlorhexidine
- Hexachlorophene

Q.128) Which of the following statements is incorrect regarding Stuart's medium?

- It contains nutrient agar
- It contains charcoal
- It contains reducing agent
- It is a transport medium for gonococci.

Q.129) Which of the following is not a part of classical triad of hypersensitivity pneumonitis?

- Mononuclear bronchiolitis
- Mural vascular involvement
- Interstitial infiltrates of lymphocytes and plasma cells
- Scattered parenchymal granulomas

Q.130) Reactive oxygen intermediates in peroxisomes are produced by

- NADPH oxidase
- Superoxide dismutase
- Catalase
- Glutathione peroxidase

Q.131) For a patient, of CRF which of the following would be most specific indication to start dialysis ?

- BUN rises to >90 mg/dl
- Urine output falls to <10 ml/h
- Pericardial friction rub
- Hematocrit falls to <30%

Q.132) A 20 year old patient with urethral discharge. Possible diagnosis?

- Chlamydia trachomatis
- Ureaplasma urealyticum
- Trichomonas vaginalis
- Gonorrhoea



Q.133) A 55 year old male is being evaluated for constipation. There is no history of upper GI symptoms Hb is 10g/dl, MCV is 72 f L, and ferritin is 10mg/ L (normal is 15 to 400mg/ L). The next step in the evaluation of this patient's anemia is?

- Red blood cell folate
- Iron absorption studies
- Colonoscopy
- Bone marrow examination

Q.134) A patient is found to have adenocarcinoma of the prostate with bony metastases. Treatment of choice is?

- Observation
- Radiation therapy
- Estrogen therapy

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d) Gonadotropin-releasing hormone (GnRH) analogue

Q.135) Identify the defect?



- a) Dental caries
- b) Fluorosis
- c) Dentinogenesis imperfecta
- d) Megadont teeth

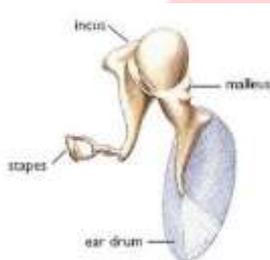
Q.136) A 25 year old female with fair complexion C/O a mole on her upper back. The lesion is 6mm in diameter, darkly pigmented, and asymmetric with a very irregular border. Next step in management is ?

- a) Tell the patient to avoid sunlight
- b) Follow the lesion for any evidence of growth
- c) Obtain metastatic workup
- d) Obtain full- thickness excisional biopsy

Q.137) Leptin is a hormone produced in body fat. When injected it is expected to cause which one of the following effects on body function and composition?

- a) Reduces body fat
- b) Decreases resting energy expenditure
- c) Stimulates production of neuropeptide Y
- d) Increases the feeling of hunger

Q.138) Which type of joint is between these ossicles?



- a) Primary cartilaginous
- b) Secondary cartilaginous
- c) Synovial
- d) Fibrous

Q.139) Exposure to which of the following can lead to interstitial pneumonitis?

- a) Aluminum
- b) Titanium
- c) Cobalt

d) Mercury

Q.140) A 52 years female presented with fever of 2 weeks. Microscopic examinations of her urine shows pus cells. Staphylococcal coagglutination showed antibody coated bacteria in her urine. Which is the likely site of infection?

- a) Kidney
- b) Ureter
- c) Bladder
- d) Urethra

Q.141) Pseudo-hemoptysis is caused by:

- a) Mycobacterium bovis
- b) Mycobacterium avium
- c) Serratia
- d) Staphylococcus aureus

Q.142) Which of the following Rickettsia is spread by a mite?

- a) Rickettsia typhi
- b) Rickettsia rickettsi
- c) Rickettsia conorii
- d) Rickettsia 'akari

Q.143) Which of the following group of human adenoviruses have high oncogenic potential in

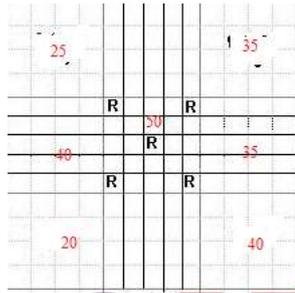
- a) A
- b) C
- c) D
- d) F

Q.144) Which one of the following statements concerning interferons is least accurate?

- a) Interferons are proteins that influence host defenses in many ways, one of which is the induction of an antiviral state.
- b) Interferons are synthesized only by virus infected cells.
- c) Interferons inhibit a broad range of viruses not just the virus that induced the interferon.
- d) Synthesis of several host enzymes is induced by interferon in target cells.

Q.145) You are doing an experiment on calculation of WBC count and you have used a peripheral blood for the same. Dilution factor (20 times) and you a modified neubauer chamber. What is your total WBCs count?

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- a) 14500 b) 6000
c) 7000 d) 24000

Q.146) A woman who pricked her finger while pruning some rose bushes develops a local pustule that progresses to an ulcer. Several nodules then develop along the local lymphatic drainage. The most likely agent is:

- a) *Cryptococcus neoformans*
b) *Candida albicans*
c) *Sporothrix schenckii*
d) *Aspergillus fumigatus*

Q.147) Which of the following drugs crosses blood brain barrier by the process of pinocytosis?

- a) Thyroxin
b) Phenobarbitone
c) Penicillin
d) Insulin-I

Q.148) A drug is given I.V. in a dose of 20mgm. After two hours the plasma concentration of the drug is 2 mg/mt. The apparent volume of distribution of this drug is ?

- a) 4 L
b) 8 L
c) 10 L
d) 20 L

Q.149) Glucose finally metabolized to CO₂ and water in

- a) Cytosol
b) Mitochondria
c) Nucleus
d) ER

Q.150) Which of the following is absent in smooth-muscle cells compared to skeletal muscle cells?

- a) Troponin
b) Calmodulin
c) Calcium
d) Myosin light-chain kinase

Q.151) The extracellular matrix and the cytoskeleton communicate across the cell membrane through which of the following?

- a) Proteoglycans
b) Integrins
c) Cadherins
d) Intermediate filaments

Q.152) Polyhydramnios is caused by which of the following?

- a) Duodenal or esophageal atresia
b) Bilateral agenesis of the kidneys
c) Precocious development of the swallowing reflex in the fetus
d) Hypoplasia of the lungs

Q.153) A 38-year-old woman has Leber's hereditary optic atrophy (a mitochondrial chromosome disorder). What proportion of her son's children will be affected with the disease and what proportion of her daughter's children will be affected with the disease?

- a) Son's children 25%; daughter's children 75%
b) Son's children 0%; daughter's children 100%
c) Son's children 50%; daughter's children 50%
d) Son's children 75%; daughter's children 25%

Q.154) Which of the following doesn't handle free radical in lens?

- a) Vit A
b) Vit C
c) Vit E
d) Catalase

Q.155) Bruit is heard in which malignancy?

- a) Grave disease
b) RCC
c) Atrial myxoma
d) Hepatoma

Q.156) Ximelagatran is a?

- a) Low molecular weight heparin
b) Penta saccharide
c) Vitamin K Antagonist
d) Direct thrombin inhibitor

Q.157) Sorafinib is used in treatment of?

- a) Renal cell carcinoma
b) Multiple myeloma
c) CLL
d) Hodgkin lymphoma

Q.158) Priapism is a feature of?

- a) AML
b) Sickle cell anemia
c) Thalassemia
d) PNH

Q.159) PCR uses

- a) Ca²⁺

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- b) Mg²⁺
- c) Li⁺
- d) Na⁺

Q.160) Urolithiasis has also been reported?

- a) Acetazolamide
- b) Tiagabine
- c) Vigabatrin
- d) Topiramate

Q.161) The drug which exerts its CYP 3 A4 inhibiting effect by a mechanism based inactivation is:

- a) Erythromycin
- b) Ciprofloxacin
- c) Amiodarone
- d) Diltiazem

Q.162) Which of the following alfa adrenoceptor antagonists is relatively more selective for alpha 1A adrenoceptors?

- a) Tamsulosin
- b) Doxazosin
- c) Phentolamine
- d) Yohimbine

Q.163) Which of the following antihypertensive agent produces its effect by causing release of nitric oxide and opening of K⁺ channels?

- a) Hydralazine
- b) Minoxidil
- c) Sodium nitroprusside
- d) Diazoxide

Q.164) Which of the following is not true about oxygenase?

- a) Required for carboxylase reaction
- b) Directly transfer one oxygen atom
- c) Required for reaction like hydroxylation of steroid
- d) Directly transfer both O₂ atoms

Q.165) Which of the following diuretic does not require access to the tubular lumen for exerting its diuretic effect?

- a) Spironolactone
- b) Triamterine
- c) Hydrochlorothiazide
- d) Furosemide

Q.166) Release of which of the following hormones is an example of neuroendocrine secretion?

- a) Growth hormone
- b) Cortisol
- c) Oxytocin
- d) Prolactin.

Q.167) The resting potential of a myelinated nerve fiber is primarily dependent on the concentration gradient of which ion?

- a) K⁺
- b) Na⁺
- c) Ca⁺⁺
- d) Cl⁻

Q.168) A cross-sectional view of a skeletal muscle fiber through the H zone would reveal the presence of what?

- a) Actin, but no myosin
- b) Actin and myosin
- c) Myosin, but no actin
- d) Actin and titin

Q.169) True about this disease?



- a) Hyperplasia of cutaneous sebaceous gland
- b) Hyperplasia of cutaneous sweat gland
- c) Hyperplasia of adipose tissue
- d) None of the above

Q.170) All are risk factors for increased lactic acidosis in patient on metformin except?

- a) Advanced age
- b) Liver dysfunction
- c) Renal dysfunction
- d) Smoking

Q.171) A 23-year-old woman is rushed to the Emergency Department with severe asthma) On assessing her, each of the following is included among signs of a severe asthmatic attack except?

- a) P_aCO₂ of 8 kPa
- b) Cyanosis
- c) FEV₁ of 0.9 litre
- d) Blood eosinophilia

Q.172) Which of the following is not seen in psoriasis?

- a) Hyperkeratosis
- b) Parakeratosis
- c) Thickening of granular layer
- d) Woronoff ring

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Q.173) Insulin promotes lipogenesis by the following EXCEPT:

- a) Decreasing cAMP
- b) Increase glucose uptake in G cell
- c) Inhibiting pyruvate dehydrogenase
- d) Increase acetyl CoA

Q.174) A 30-year-old woman with gluten-sensitive enteropathy presents with a vesicular rash over the knee and upper back. Which one of the following is the most likely diagnosis?

- a) Pemphigoid
- b) Dermatitis herpetiformis
- c) Bullous pemphigus
- d) Psoriasis

Q.175) A 72-yrs-old female presents to the emergency room with generalized weakness. An ECG reveals peaked T waves. Correcting which one of the following electrolyte disturbances will return the ECG to normal?

- a) Hyperkalemia
- b) Hyponatremia
- c) Hypocalcaemia
- d) Hypercalcemia

Q.176) Which one of the following conditions will produce a decrease in the magnitude of a nerve membrane action potential?

- a) Decreasing the conductance of the membrane to potassium
- b) Stimulating the nerve during the relative refractory period
- c) Increasing the extracellular concentration of sodium
- d) Making the membrane potential more negative

Q.177) The amount of force produced by a skeletal muscle can be increased by:

- a) Increasing extracellular Mg^{2+}
- b) Decreasing extracellular Ca^{2+}
- c) Increasing the activity of acetylcholine esterase
- d) Decreasing the interval between contractions

Q.178) Comprehensive obstetric emergency care does not include:

- a) Manual removal of placenta
- b) Hysterectomy
- c) Blood transfusion
- d) Caesarean section

Q.179) A male presents with dull TM, deafness and tinnitus, type B curve impedance and neck mass, the most likely cause is

- a) Ca nasopharynx
- b) Ca middle ear
- c) TB of neck nodes

d) Cholesteatoma

Q.180) The emboli formed from this lesion do not usually not embolize to:



- a) Brain
- b) Spleen
- c) Liver
- d) Lung

Q.181) Bones injured in a 'Side-Swipe fracture' are:

- a) Humerus and forearm bones
- b) Femur and leg bones
- c) Femur only
- d) Leg bone only

Q.182) A 30 year old male Deepak was having fracture shaft of right femur. After 2 days of injury he was having restlessness and dyspnea) O/E he was having tachypnea and tachycardia & petechial rash. Which of the investigation is not of much use?

- a) Urinary fat globules
- b) Pulmonary function test
- c) Blood oxygen saturation
- d) Fundus examination

Q.183) Which of the following is not a common site for avascular necrosis after trauma?

- a) Head of the femur
- b) Distal pole of scaphoid
- c) Body of the talus
- d) Proximal pole of lunate

Q.184) Which of the following nerve is most frequently damaged in musculo-skeletal injuries?

- a) Radial nerve
- b) Axillary nerve
- c) Median nerve
- d) Common peroneal nerve

Q.185) Most frequent indication for internal fixation of a fracture is:

- a) Unstable fractures
- b) Early mobility of the patient
- c) Associated neurological injury
- d) Associated vascular injury

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Q.186) This splint is used in?



- a) Ulnar nerve palsy
- b) Radial nerve palsy
- c) Median nerve palsy
- d) Axillary nerve palsy

Q.187) Injury to lateral condyle of humerus is included in which type epiphyseal injury according to Salter and Harris classification?

- a) Type II
- b) Type III
- c) Type IV
- d) Type V

Q.188) After a fracture at the junction of middle and outer - thirds of the clavicle, the outer fragment is displaced:

- a) Upwards & medially
- b) Upwards & laterally
- c) Downwards & medially
- d) Downwards & laterally

Q.189) A newborn with bilateral microtia and atresia of external auditory canal should be operated at what age?

- a) Up to 1 year
- b) 5- 7 years
- c) Puberty
- d) Adulthood

Q.190) Which is false regarding an Anganwadi Worker?

- a) Part time worker
- b) Undergoes 4 month training
- c) 1 for 1000 children
- d) Selected from community itself

Q.191) External cephalic version is contra indicated in:

- a) Flexed breech
- b) Primigravida
- c) PIH
- d) Prematurity

Q.192) Increased nuchal translucency at 14 weeks of gestation is seen in:

- a) Turner's syndrome
- b) Down's syndrome
- c) Esophageal atresia
- d) Klinefelter's syndrome

Q.193) Most important pre-requisite in sanitary latrine is:

- a) Squatting plate or slab
- b) Water seal
- c) Smooth slope of pan
- d) Adequate drainage

Q.194) Outbreak of following diseases occur in immediate post disaster period; except:

- a) Gastroenteritis
- b) Acute respiratory infection
- c) Vector borne disease
- d) All of the above

Q.195) Which of the following is incorrect about Indian population Census :

- a) The first census was conducted in 1881.
- b) The census is usually conducted at the end of first quarter of the first year in each decade.
- c) The legal basis of the census is provided by census Act of 1948.
- d) Census Commissioner of India is the supreme officer who directs, guides and operate the census.

Q.196) Which of the following is a uricosuric drug?

- a) Frusemide
- b) Losartan
- c) Low dose aspirin
- d) None of the above

Q.197) Normal value of Light peak to dark trough ratio in EOG is:

- a) Less than 1.5%
- b) 1
- c) More than 185%
- d) Less than 185%

Q.198) In which of the following vaccines, 'shake test' is not useful :

- a) DPT
- b) DT.
- c) IT
- d) Measles

Q.199) Treatment of choice for GLUE EAR is

- a) Myringotomy and aspiration of the fluid
- b) Myringotomy with cold knife
- c) Myringotomy with diode laser
- d) Conservative treatment

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Q.200) Browns syndrome is characterized by:

- Superior oblique paralysis
- Superior Rectus overaction
- Superior oblique overaction
- S.O. fibrosis

Q.201) Antithrombin III levels in disseminated intravascular coagulation:

- Are decreased
- Are increased
- Remain same
- Are variable

Q.202) Role of ACEI in protecting against deterioration of renal function in diabetic nephropathy is most closely related to their ability to

- Reduce renal plasma
- Prevent no enzymatic glycosylation in the glomerular capillaries
- Decrease the effect of angiotensin II on efferent arteriolar tone
- Increase Transcapillary hydrostatic pressure in the glomerulus

Q.203) Laser trabeculoplasty is indicated in?

- Chronic angle closure glaucoma
- Uveitic glaucoma
- Pseudoexfoliation glaucoma
- Neovascular glaucoma

Q.204) A 35 years old female presents with sudden onset abdominal pain since last 6 hours. There is no other complaint. History and examination reveal colicky right upper quadrant pain that is also felt at inferior angle of scapula) What is the most likely cause of her abdominal pain?

- Right renal calculus at pelviureteral junction.
- Acute cholecystitis.
- Acute pancreatitis.
- Acute diverticulitis.

Q.205) Cytokine release syndrome is seen with:

- Mycophenolate Mofetil
- Muromonab CD3
- Antithymocyte Globulin
- Methotrexate

Q.206) True about Cilomilast are all except:

- Phosphodiesterase 4 inhibitor
- Used in bronchial asthma
- Used in allergic rhinitis
- Safe when injected intravenously

Q.207) A 30 year male having received 2 months therapy as DOTS for pulmonary tuberculosis discontinues on improvement in symptoms A

months later he returns with increasing cough and dyspnea) Which treatment category he should be put on now:

- One
- Two
- Three
- Four

Q.208) Endochochlear potential is

- +60 mv
- +85 mv
- 60 mv
- 90 mv

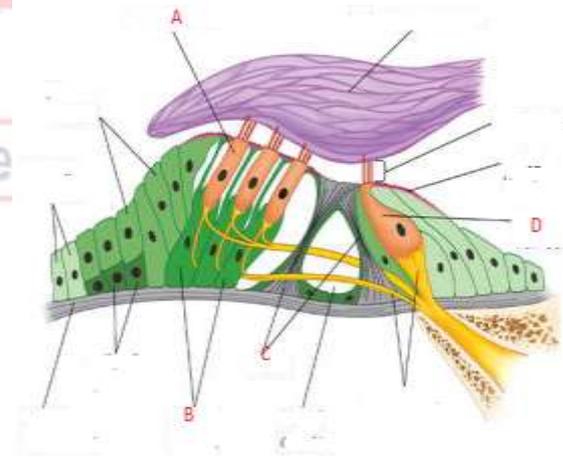
Q.209) A child presents with ear infection with foul smelling discharge. On further exploration a small perforation is found in the pars flaccida of the tympanic membrane. Most appropriate next step in the management would be:

- Topical antibiotics and decongestants for 4 weeks
- IV antibiotics and follow up after a month
- Tympanoplasty
- Tympano-mastoid exploration

Q.210) Demography includes study of all; except:

- Fertility
- Mortality
- Morbidity
- Migration

Q.211) Spiral ganglion innervates which cells in the following diagram?



- A
- B
- C
- D

Q.212) All of the following are true about notification of diseases; except :

- Primary purpose is to effect prevention and control of the disease.

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- b) Covers a large part of the total sickness in the community.
- c) Provides information about fluctuations in diseases frequency.
- d) Provides early warning about outbreaks of disease frequency.

Q.213) Which of the following is ideal site for harvesting bone graft?

- a) Iliac crest
- b) Distal end of humerus
- c) Distal end of femur
- d) Fibula

Q.214) Which of the following is a Socratic method of teaching

- a) Exhibition
- b) Lecture
- c) Audio Video aids
- d) Panel discussion

Q.215) Which of the following is not true about "Didactic method of communication":

- a) Learning is authoritative
- b) Knowledge is imposed
- c) Human behaviour is influenced
- d) No feedback from audience

Q.216) Which of the following is a false statement regarding influenza pandemic in a community?

- a) When it spreads within 2 weeks
- b) When it spreads in more than 5 cities
- c) When one or more lab confirms influenza
- d) When more than 25 people are affected

Q.217) All are true about dengue hemorrhagic fever except?

- a) Causative agent belongs to flaviviridae group
- b) Lamivudine is drug of choice
- c) Malnutrition is protective
- d) Aedes aegypti acts as vector

Q.218) All are advantages of cohort study; except:

- a) Bias are minimized
- b) Suitable for study of rare disease
- c) Several possible outcomes related to exposure can be studied simultaneously
- d) Dose response ratio can be calculated

Q.219) Which enzyme is defective in Refsum's disease?

- a) Phytanic acid oxidase
- b) Succinate thiokinase
- c) Malonate dehydrogenase
- d) Thiophorase

Q.220) In ECG PR interval is prolonged in?

- a) Hypocalcemia
- b) Hypercalcemia
- c) Hyperkalemia
- d) Hypomagnesemia

Q.221) In acute renal failure, dietary protein should be restricted in which of the following?

- a) All patients.
- b) All patients with BUN>100.
- c) All patients with creatinine> 10.
- d) If azotemia is advanced and dialysis is not an option.

Q.222) Ideal treatment for simple hyperplasia with atypia is

- a) Simple Hysterectomy
- b) Medroxy progesterone acetate
- c) Levonorgestrel intra uterine device
- d) Radical hysterectomy

Q.223) Spur cell anemia is a feature of which disorder?

- a) Liver disease
- b) Renal failure
- c) Myelofibrosis
- d) Acute blood loss

Q.224) Palpable purpura is seen in :

- a) Steroid purpura
- b) Polyarteritis nodosa
- c) Cholesterol emboli
- d) DIC

Q.225) The LEAST common site for diverticular disease is the

- a) Upper esophagus
- b) Mid esophagus
- c) Small intestine
- d) Rectum

Q.226) A 32 yr old female asymptomatic not requiring blood transfusion presents with Hb 13g/dl. Her HbF levels are 95%, HbA₂ 1.5%. Which of the following is the most likely diagnosis?

- a) Hereditary persistence of fetal hemoglobin
- b) Beta homozygous thalassemia
- c) Thalassemia intermedia
- d) Beta heterozygous thalassemia

Q.227) Scarring alopecia – caused by A/E

- a) Lichen plans
- b) Pseudopelade
- c) DLE
- d) Alopecia areata

Q.228) For patients with Parkinson's disease, which one of the following drugs is most useful in

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the management of tremors?

- a) Apomorphine
- b) Cabergoline
- c) Amantadine
- d) Benzhexol

Q.229) Choroidal neovascularization can be seen in all the following except:

- a) Hypermetropia
- b) Angioid streak
- c) Trauma
- d) Myopia

Q.230) In children, the disease process most likely to be misdiagnosed as acute appendicitis is :

- a) Acute mesenteric lymphadenitis
- b) Acute regional enteritis
- c) Acute pyelonephritis
- d) Intussusception

Q.231) Identify the procedure?



- a) NST
- b) Amniotic fluid index
- c) Amniocentesis
- d) Chorionic villi sampling

Q.232) Frequent findings in a patient with a basal skull fracture include all; except :

- a) Bruising behind the ear
- b) Facial nerve palsy
- c) Otorrhea
- d) Severe epistaxis

Q.233) Which of the following is used to prevent or delay the onset of Parkinson's disease?

- a) Levodopa
- b) NSAID
- c) Bromocriptine
- d) All of the above

Q.234) Carbon dioxide is preferred over nitrous oxide as the insufflating gas for laparoscopy because it:

- a) Is noninflammable
- b) Is physiologically inert
- c) Is rapidly absorbed into the blood stream
- d) Suppresses combustion

Q.235) The system used for classification of

diabetic foot IS:

- a) Robson's Classification.
- b) Modified Wagner's Classification.
- c) Mulliken and Glowacki's Classification.
- d) Columbia's Classification.

Q.236) Which of the following is most likely to be associated with Pierre Robin syndrome?

- a) Cleft Lip Palate
- b) Isolated Cleft Lip
- c) Isolated Cleft Palate
- d) All of the Above

Q.237) Rockall score is used in to assess severity of:

- a) Cirrhosis
- b) Upper GI bleed
- c) Wilson's disease
- d) Ulcerative colitis

Q.238) A child presents with non blanching rash over the extensor aspect of arm with swelling over knee urine analysis show proteinuria 1 + and RBC 3+ on kidney biopsy which finding will be seen

- a) Fusion of podocytes
- b) ATN
- c) Depositions of Ig A
- d) Thickening of membrane

Q.239) Absence of Lamina Cribrosa is seen in

- a) Optic nerve hypoplasia
- b) Morning glory syndrome
- c) Optic nerve drusens
- d) Coloboma of Iris.

Q.240) Reasonable tube size safe for 3 year child will be number:

- a) 2 mm
- b) 4.5 mm
- c) 5.5 mm
- d) 6 mm

Q.241) The laryngeal mask airway used for securing the airway of a patient in all of the following conditions except:

- a) In a difficult intubation
- b) In cardiopulmonary resuscitation
- c) In a child undergoing an elective/routine eye surgery
- d) In a patient with a large tumor in the oral cavity

Q.242) Dibucaine number is utilized for diagnosing:

- a) Atypical pseudocholinesterase
- b) Degree and intensity of block after succinyl choline

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- c) Dual block
- d) Duration of block

Q.243) First muscle to be blocked by muscle relaxants:

- a) Laryngeal muscles
- b) Diaphragm
- c) Thenar muscles
- d) Intercostals

Q.244) All the muscle are paralysed in this disorder except?



- a) Supraspinatus
- b) Biceps brachii
- c) Pectoralis major
- d) Deltoid

Q.245) If movement of making a fist is to be carried out efficiently there must be a synergic contraction of :

- a) Flexor carpi ulnaris and extensor carpi ulnaris
- b) Flexor carpi radialis and extensor carpi radialis longus
- c) Extensor carpi radialis longus and brevis along with extensor carpi ulnaris.
- d) Flexor carpi ulnaris and flexor carpi radialis

Q.246) All of the following tissues are derived from the dorsal mesentery EXCEPT

- a) The splenorenal ligament
- b) The visceral peritoneum of the spleen
- c) The greater omentum
- d) The anterior border of the epiploic foramen

Q.247) In traumatic brain injury, changes in brain metabolism are seen. All of the following are true except?

- a) Increased csf lactate is associated with favourable prognosis
- b) There is accumulation of lactate in brain
- c) Lactate is actively secreted into csf from the circulation
- d) There is shut down of pyruvate dehydrogenase activity

Q.248) At the knee joint, all of the following

structures are intraarticular except :

- a) Menisci
- b) Tendon of popliteus muscle'
- c) Cruciate ligaments
- d) Oblique popliteal ligament

Q.249) Ipsilateral cavernous sinus thrombosis with painful Ophthalmoplegia with headache and Cavernous sinus enlargement is feature of?

- a) Tolosa-Hunt syndrome
- b) Gradenigo syndrome
- c) Soto's syndrome
- d) Marchiafava Bignami disease

Q.250) Which of the following is the principal paracrine secretion involved in the inhibitory feedback regulation of gastric acid secretions?

- a) Gastrin
- b) Somatostatin
- c) Histamine
- d) Enterogastrone

Q.251) Which of the following hormones is involved in the initiation of the migrating motor complex?

- a) Gastrin
- b) Motilin
- c) Secretin
- d) Cholecystokinin

Q.252) A man having multiple, painful, indurated, undermined, sloughed edged glans which occurred 5 days after exposures; most likely diagnosis is

- a) Chancroid
- b) Primary chancre
- c) Herpes genitalis
- d) LGV

Q.253) Acoustic shadow is produced by all except

- a) Bone
- b) Calculus
- c) Fat
- d) Gas

Q.254) This type of X ray is seen in:

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- a) Pulmonary embolism
- b) Tuberculosis
- c) Bronchogenic Ca
- d) Emphysema

Q.255) Maximum permissible dose equivalent of radiations recommended by NCRP for pregnant women is:

- a) 0.1 rem
- b) 0.5 rem
- c) 1 rem
- d) 5 rem

Q.256) Which of the following is diagnostic feature of gall stone ileus on plain abdominal radiograph?

- a) Ectopic calcified gallstone
- b) Stone more than 2.5 cm size in the intestine
- c) Signs of small intestinal obstruction
- d) Gas in the biliary tree with or without gallstone in small intestine

Q.257) Which of the following is a newer antitubercle drug?

- a) Kanamycin
- b) Linezolid
- c) Cycloserine
- d) Thiacetazone

Q.258) Cobalt 60 is?

- a) Natural radioactive source
- b) Natural radioactive material
- c) Artificial radioactive source
- d) Artificial stable substance

Q.259) Broadbent's sign is seen in?

- a) Multiple sclerosis
- b) Constrictive pericarditis
- c) Emphysema
- d) SLE

Q.260) Clinical relapse is seen in which type of hepatitis?

- a) Type A
- b) Type B
- c) Type D
- d) Type E

Q.261) All of the following are seen in polysomnography except

- a) EOG
- b) EEG
- c) Arterial CO₂ level
- d) Pulse oximetry

Q.262) J curve phenomena is observed in relation to which of the following disease?

- a) Blood pressure & Cardio vascular risk
- b) Diabetes & Nephropathy
- c) HIV & Kaposi's sarcoma
- d) Smoking & CA lung

Q.263) Sodium channelopathy is

- a) Autosomal recessive
- b) Autosomal dominant
- c) X link recessive
- d) None of the above

Q.264) The length of the suture material required to close the midline laparotomy incision is:

- a) 2 times the length of incision
- b) 4 times the length of incision
- c) 6 times the length of incision
- d) 8 times the length of incision

Q.265) Which type of schizophrenia responds best to electroconvulsive therapy :

- a) Simple schizophrenia
- b) Paranoid schizophrenia
- c) Catatonic schizophrenia
- d) Hebephrenic schizophrenia

Q.266) In which of the following condition antibodies to alpha fodrin is seen?

- a) Rheumatoid arthritis
- b) Sjögren syndrome
- c) Polymyositis
- d) Grave disease

Q.267) Eculizumab is being used in which of the following conditions?

- a) CLL
- b) PNH
- c) SLE
- d) AML

Q.268) Non visualization of gallbladder in hepatic scintigraphy is seen in?

- a) Common bile duct stones
- b) Carcinoma gallbladder
- c) Acute cholecystitis
- d) Chronic cholecystitis

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Q.269) Velpeau bandage and sling and swathe splint are used in?

- a) Fracture scapula
- b) Acromioclavicular dislocation
- c) Acromioclavicular dislocation
- d) Acromioclavicular dislocation

Q.270) Following statement is true for Breath holding spells :

- a) Pallid spells are common as compared to cyanotic spells
- b) Atropine is contraindicated.
- c) Interictal EEG is normal.
- d) The cry of child stops in full inspiration who becomes pale or cyanotic.

Q.271) Ponderal index is?

- a) Femur length to abdominal circumference ratio
- b) Chest to abdominal circumference ratio
- c) Intercerebellar to abdominal circumference ratio
- d) Weight in grams divided by length in cms cube multiplied by 100

Q.272) Which of the following disorders are not due to mutations affecting collagen synthesis?

- a) Marfan syndrome
- b) Ehlers - Danlos syndrome.
- c) Alport syndrome
- d) Epidermolysis bullosa

Q.273) Which of the following is not a variant of lichen planus?

- a) Hypertrophic lichen planus
- b) Lichen nitidus
- c) Lichen scrofulosorum
- d) Lichen planoplanaris

Q.274) Neurexin are responsible for:

- a) Synaptic transmission
- b) Neuronal growth
- c) Secondary messenger in neuroglia
- d) All of the above

Q.275) The most important physical sign for the diagnosis of anterior instability of the glenohumeral joint is a positive

- a) Apprehension sign
- b) Impingement sign
- c) Resisted straight arm raising sign
- d) Resisted forearm supination sign

Q.276) Which culture method is used for the preparation of bacterial antigens and vaccines?

- a) Lawn culture
- b) Stroke culture
- c) Pour plate culture
- d) Liquid culture

Q.277) In adults, cervical instability most commonly results from

- a) Degenerative disk disease
- b) A flexion-extension injury
- c) A rotational injury
- d) Increased ligamentous laxity

Q.278) Which of the following is used for wound infection grading system?

- a) Glassgow coma scale
- b) APGAR score
- c) ASA grading
- d) Southampton grading

Q.279) Stones that are common with infection is?

- a) Struvite
- b) Xanthine stone
- c) Cysteine stone
- d) Calcium oxalate stones

Q.280) Regarding Superior Mesenteric artery syndrome false statement is

- a) Duodeno jejunostomy is treatment
- b) Angle between SMA and Aorta is 38 degree to 65 degree
- c) 3rd part of duodenum is affected
- d) Peritoneal pad of fat is lost

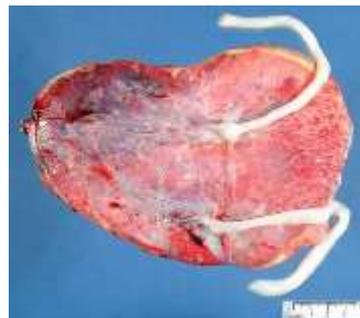
Q.281) Diphtheria-like colitis with thickening of ascending and transverse colon are seen due to which poisoning

- a) Phenol
- b) Arsenic
- c) Mercury
- d) Lead

Q.282) If a person under oath gives false evidence in a court of law, then he may be punished with imprisonment upto :

- a) Seven years
- b) Nine years
- c) One year
- d) Three years

Q.283) What type of placenta is this?



- a) MCDA

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- b) MCMA
- c) DCDA
- d) TTTS

Q.284) Plastic finger prints are available on :

- a) Finger print taken on paper
- b) Finger print taken on plastic
- c) Finger print taken on soap
- d) Finger print made visible by iodine vapour

Q.285) A 30 year old male presents with these type of pictures. Most likely cause is?

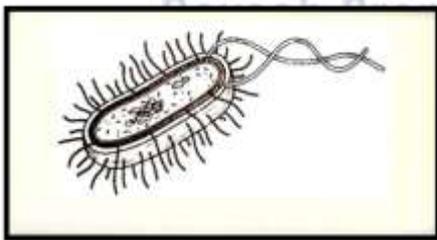


- a) Chronic arsenic poisoning
- b) Chronic lead poisoning
- c) Chronic mercury poisoning
- d) Acute arsenic poisoning

Q.286) Carpal tunnel syndrome is the best characterized by which one of the following clinical signs ?

- a) Numbness in fifth finger and media portion of ring finger
- b) Pain in thumb, index finger, middle finger and lateral half of ring finger
- c) Adduction, extension, and internal rotation of upper limb
- d) Weakness of the extensors of the wrist and finger

Q.287) Most antigenic part of Organism shown in Photograph is ?



- a) Protein coat
- b) Lipopolysaccharide
- c) Nucleic acid
- d) Lipids

Q.288) How many high energy phosphate-bond equivalents are utilized in the process of activation of amino acids for protein synthesis ?

- a) Zero

- b) One
- c) Two
- d) Three

Q.289) Modification of mRNA so that a signal sequence is added to the amino terminus of the process of activation of amino acids for protein synthesis ?

- a) No change in physiology of the protein
- b) Cytosolic localization of the protein
- c) Signal recognition particle synthesis
- d) Translocation across the endoplasmic reticulum

Q.290) Sensitive most investigation for acute ischemic stroke?

- a) MDCT
- b) DWMRI
- c) HMPAO scan
- d) Rubidium-PET

Q.291) The preferred diet in chronic pancreatitis patients should be :

- a) Low fat, high protein, high carbohydrate
- b) Low fat, high protein, low carbohydrate
- c) Moderate fat, high protein, low carbohydrate
- d) Low fat, low protein, moderate carbohydrate

Q.292) X-ray appearance of hyaline membrane disease:

- a) Homogeneous ground glass appearance
- b) Normal X-ray
- c) Reticulonodular shadow
- d) Air bronchogram

Q.293) The joint fluid in septic arthritis is used for the following tests except:

- a) Gram stain
- b) Cell type and count
- c) Lactic acid concentration
- d) Protein estimation

Q.294) An 80-year-old man is referred from a nursing home with fever, rigors, nausea and vomiting. He is bedridden and has sacral decubitus ulcers. Blood cultures grow Streptococcus milleri. The most likely site of infection is?

- a) Sacral bedsores
- b) Urinary tract infection
- c) Liver abscess
- d) Endocarditis

Q.295) Which of the following drugs may be cleared by hemodialysis :

- a) Beta-blockers
- b) Tricyclic
- c) Aspirin
- d) Benzodiazepines

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Q.296) Which type of inflammatory cell would predominate in histological sections of a biopsy specimen from an enlarged salivary gland in an individual with Sjögren syndrome?

- a) Basophil
- b) Eosinophil
- c) Epithelioid cell
- d) Lymphocyte

Q.297) Arachidonic acid contains :

- a) One double bond
- b) Two double bonds
- c) Three double bonds
- d) Four double bonds

Q.298) A Factory worker was working in a factory from past 20 years, and now presenting with pleural thickening and fibrosis. Histopathology of lesion is shown in below image. Most likely diagnosis is?



- a) Asbestosis
- b) Cotton Fiber
- c) Coal Worker Pneumoconiosis
- d) Silicosis

Q.299) To achieve the goals of health for all, how much proportion of GNP should be spent on health?

- a) 3%
- b) 5%
- c) 7%
- d) 8%

Q.300) The main source of production of relaxin is:

- a) Ovary
- b) Placenta
- c) Decidua
- d) Adrenals