

Test Admission Ticket No.				

OMR Serial Number				

Question Booklet Version Code
B
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Question Booklet Sr. No.
2278
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Candidates Kindly Note

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1. The ureter turns antero medially into fibrous adipose tissue above the levator ani to reach the base of the bladder at the level of
 - a) Opposite the ischial spine
 - b) Upper end of anterior border of greater sciatic notch
 - c) At the level of bifurcation of common iliac artery
 - d) At the level of beginning of external iliac artery
2. Swyer syndrome is associated with gonadal dysgenesis with:
 - a) XY female
 - b) XO female
 - c) XX female
 - d) XXY female
3. T Cell dependent antigens:
 - a) Show good immunological memory
 - b) Produce antibodies belonging to all classes
 - c) Remain in the body for long periods
 - d) Do not cause tolerance readily
4. Which statement is incorrect regarding post-coital contraception
 - a) IUD insertion is a post-coital contraception method
 - b) Oral contraception pills is a post-coital contraceptive method
 - c) It is recommended within 48 hours
 - d) Failure rate is less than one percent
5. In which wave length of a pulse oximeter does reduced hemoglobin absorb more light?
 - a) Purple band
 - b) Red band
 - c) Infra red band
 - d) Near infra red band
6. Cranio Facial Dysjunction is seen in
 - a) Lefort I Fracture
 - b) Lefort II Fracture
 - c) Lefort III Fracture
 - d) None of the above
7. Adder head appearance of Ureterocele is seen in:
 - a) Plain X-ray KUB
 - b) USG KUB
 - c) IVU
 - d) CT abdomen



8. A biochemical basis for unusual sensitivity of some Asians to alcoholic beverages is due to

- a) The deficiency of mitochondrial aldehyde dehydrogenase with low K_m
- b) The presence of cytosolic aldehyde dehydrogenase with high K_m
- c) Both a and b are correct
- d) Both a and b are incorrect

9. The chemical structure of cis - 9 - dodecenoic acid is

- a) $\text{CH}_3\text{CH}_2\text{CH} = \text{CH} (\text{CH}_2)_7 \text{COOH}$
- b) $\text{CH}_3 (\text{CH}_2)_2\text{CH} = \text{CH} (\text{CH}_2)_7 \text{COOH}$
- c) $\text{CH}_3 - \text{CH} = \text{CH} - (\text{CH}_2)_7 \text{COOH}$
- d) $\text{CH}_3 - (\text{CH}_2)_3\text{CH} = \text{CH} ((\text{CH}_2)_7\text{COOH}$

10. A 50 years old lady presented with a non tender swelling over (Rt) side of neck of 5 years duration.

It was 3 x 3 cms in size and situated along anterior border of sternomastoid from the level of hyoid bone extending superiorly and was pulsatile. Magnetic Resonance imaging showed a vascular tumour between external and internal carotid arteries which was not enveloping the carotids. The treatment of choice would be:

- a) Excision along with ligation of external carotid artery
- b) Excision along the carotid adventitial plane
- c) Excision along with ligation of internal carotid artery
- d) Radiotherapy + Chemotherapy

11. The most common complication following a successful cataract surgery in children is

- a) Posterior capsular opacification
- b) Uveitis
- c) Pupillary capture
- d) Secondary glaucoma

12. A 5 year old child presents with fever, oliguria and hematuria, 2 weeks after recovery from a sore throat. In this renal lesion, the glomerulus will show

- a) Hypercellularity
- b) Thickened basement membrane
- c) Tram track lesion
- d) Loss of foot processes

13. Which of the following is **NOT** true of Diamond Blackfan syndrome?

- a) Microcytic red cells
- b) Elevated fetal hemoglobin
- c) Increased adenosine deaminase activity in red cells
- d) Decreased reticulocytes

14. An elderly man presents with features of dementia, ataxia, difficulty in downward gaze and history of frequent falls. Likely diagnosis is
- a) Parkinson's disease
 - b) progressive supranuclear gaze palsy
 - c) Alzheimer's disease
 - d) Korsakof's psychosis
15. Anterior belly of digastrics muscle is supplied by
- a) Mandibular nerve
 - b) Facial nerve
 - c) Maxillary nerve
 - d) Glosso pharyngeal nerve
16. The mechanism of action of cyproterone acetate used for treatment of hirsutism is
- a) Steroidogenic enzyme inhibition
 - b) 5 alpha reductase inhibitor
 - c) Antiandrogenic action
 - d) Increasing serum hormone binding globulin production
17. Melioidosis is caused by:
- a) *Stenotrophomonas maltophilia*
 - b) *Pseudomonas aeruginosa*
 - c) *Berkholderia pseudomallei*
 - d) *Yersinia pseudotuberculosis*
18. The important dietary sources of Vitamin C are all **EXCEPT**
- a) Germinated pulses
 - b) Cereals
 - c) Vegetables
 - d) Fruits
19. Impulse dyscontrol disorders are characterized primarily by disturbances in the metabolism of
- a) Dopamine
 - b) Norepinephrine
 - c) Serotonin
 - d) GABA
20. Kienbock's disease is
- a) Osteochondritis of tibial tuberosity
 - b) Osteochondritis of capitulum
 - c) Osteochondritis of lunate bone
 - d) Osteochondritis of navicular bone

21. In the curve of carus
- a) The upper part of the cavity is directed downward and backward
 - b) The lower part of the cavity is directed backwards and upwards
 - c) The upper part of the cavity is directed downward and forward
 - d) All of the above
22. Chemotherapy used in the treatment of gestational trophoblastic tumor could be
- a) Methotrexate
 - b) Actinomycin – D
 - c) Chlorambucil
 - d) Both a and b
23. Measles virus agglutinates which of the following erythrocytes?
- a) Human
 - b) Goose
 - c) Monkey
 - d) Guinea pig
24. Which is **NOT** considered as a risk factor for cancer of the cervix
- a) prolonged use of oral contraceptive pill
 - b) lower socio-economic status
 - c) delayed age at marriage
 - d) having multiple sexual partners
25. Which of the following is not a aminosteroid non-depolarising neuro muscular blocking drug
- a) Pancuronium
 - b) Atracurium
 - c) Vecuronium
 - d) doxacurium
26. The natural response to injury includes **EXCEPT**
- a) Immobility
 - b) Anorexia
 - c) Anabolism
 - d) Catabolism
27. All of the following statements about Lepromin test is true **EXCEPT**
- a) It is negative in most children in first.6 months of life
 - b) It is a diagnostic test
 - c) It is an important aid to classify the type of leprosy
 - d) BCG vaccine may convert lepra reaction from negative to positive

28. Chronic granulomatous disease is due to defect in:

- a) T-cell deficiency
- b) B-cell deficiency
- c) Phagocytic deficiency
- d) All of the above

29. The recommended Intra Venous induction dose of methohexital is

- a) 3 - 4 mg/kg
- b) 1 - 2 mg/kg
- c) 5 - 6 mg/kg
- d) 7 - 8 mg/kg

30. Palmas procedure is related to:

- a) Arterial disorders
- b) Venous disorders
- c) Lymphatic disorders
- d) None of the above

31. Cockayne syndrome patients will have

- a) Developmental neurological disorders
- b) Skeletal and retinal abnormalities
- c) Bird like facial dismorphism
- d) All the above

32. The vaporizer used for desflurane is

- a) TEC - 4
- b) TEC - 5
- c) TEC - 6
- d) TEC - 7

33. The commonest cause of maternal mortality in India is

- a) Obstructed labour
- b) Postpartum haemorrhage
- c) Puerperal sepsis
- d) Eclampsia

34. β_2 receptor stimulation of sympathetic nervous system causes all of the following effects EXCEPT

- a) Dilation of coronary arterioles
- b) Relaxation of bronchioles
- c) Relaxation of uterine muscle
- d) Decreased myocardial contractility

35. The term dominant is used to refer to the coronary artery which gives
- The posterior interventricular branch
 - The anterior interventricular branch
 - Conus artery
 - Reaches apex of heart.
36. All of the following are features of absence seizures EXCEPT
- Usually seen in childhood
 - 3Hz spike wave in EEG
 - Post ictal confusion
 - Precipitation by hyper ventilation
37. All the following are present in Gitelman Syndrome EXCEPT
- Metabolic alkalosis
 - Hypokalemia
 - Hypercalciuria
 - Hypomagnesemia
38. A 25 years old female with ocular disturbances and weak pulse in upper extremities is likely to have
- Takayasu arteritis
 - Giant cell arteritis
 - Polyarteritis nodosa
 - Wegener granulomatosis
39. Metrifonate is used for the treatment of infection with schistosoma
- Mansoni
 - Japonicum
 - Haematobium
 - All of the above
40. A 45 years old man presented with proptosis of (Rt) eye. He gave history of recurrent frontal headache which had increased in severity since 2 years following an episode of severe headache, nasal discharge and fever which was treated with antibiotics. Nasal endoscopy showed purulent discharge in middle meatus. CT Scan showed a mass in the (Rt) ethmoid region which was of homogenous density with thin walls. The management of choice would be:
- Broad spectrum antibiotics
 - External Fronto Ethmoidectomy
 - Endoscopic Marsupialization
 - Transantral Ethmoidectomy with stenting

41. All are features of adrenal adenomas **EXCEPT**
- a) Low attenuation on non contrast CT
 - b) Rapid contrast enhancement and rapid wash out
 - c) Chemical shift MRI imaging is used to differentiate non adenoma
 - d) Adrenal adenoma are usually large in size more than 8 cms
42. A tourist from Norway presented with conductive deafness while in India. He was a navy diver who had recently retired. On examination, he was found to have wax in the ear canal which was cleaned. However, 2 small, hemispherical swellings were noted in the posterior wall of external auditory canal of the same ear, which were hard on palpation with a probe. The ideal management would be:
- a) Advice to avoid swimming in cold water and regular follow up
 - b) Transmeatal drilling of the bony swellings in ear canal
 - c) Biopsy from the bony swellings in ear canal to rule out malignancy
 - d) Canal wall down mastoidectomy
43. Unilateral diplopia is seen in
- a) Extraocular muscle paresis
 - b) Restrictive squint
 - c) Displaced globe
 - d) Subluxated lens
44. A row of warty, small vegetations along with line of closure of valve leaflets is suggestive of
- a) Rheumatic heart disease
 - b) Infective endocarditis
 - c) Non bacterial thrombotic endocarditis
 - d) Libman sacks endocarditis
45. Priapism is seen in
- a) Snake bite
 - b) Cantharide poisoning
 - c) Scorpion stings
 - d) Arsenic poisoning
46. Which of the following statements about carcinoma of lung is **TRUE**
- a) Squamous cell variant accounts for 70% of all lung cancers
 - b) Oat cell variant typically present with cavitation
 - c) Oat cell variant is typically associated with hilar lymphadenopathy
 - d) Adenocarcinoma is typically central in location

47. The joints predominantly affected in Reiter's disease are
- a) Knees
 - b) Elbows
 - c) Shoulders
 - d) Hips
48. Piriform fossa on each side bounded laterally by
- a) Arytenoid cartilage
 - b) Thyroid cartilage
 - c) Aryepiglottic fold
 - d) Cuneiform cartilage
49. The most common cause of postmenopausal bleeding is
- a) Endometrial atrophy
 - b) Endometrial cancer
 - c) Endometrial polyp
 - d) Endometrial hyperplasia
50. In the presence of vasopressin, the part of the nephron where greatest percentage of filtered water is reabsorbed is the
- a) Collecting Duct
 - b) Loop Of Henle
 - c) Proximal Convoluted Tubule
 - d) Distal Convoluted Tubule
51. Which of the following Mycobacteria produces a toxin?
- a) Mycobacterium tuberculosis
 - b) Mycobacterium ulcerans
 - c) Mycobacterium kansasii
 - d) Mycobacterium chelonae
52. The National Rural Health Mission (NRHM) in India was launched in the year
- a) 2007
 - b) 2009
 - c) 2005
 - d) 2010
53. The risk of damage of fetus by maternal rubella is maximum if mother gets infected during
- a) 6-12 weeks of pregnancy
 - b) 20-24 weeks of pregnancy
 - c) 21-25 weeks of pregnancy
 - d) 32 – 36 weeks of pregnancy

54. In which of the following conditions does an individual intentionally produce or feign physical or psychological signs or symptoms without a conscious motivation for an external incentive?

- a) Malingering
- b) Factitious disorder
- c) Conversion disorder
- d) Hypochondriasis

55. Predisposing conditions leading to necrotising fasciitis include all **EXCEPT**

- a) Diabetes
- b) Smoking
- c) Hypertension
- d) Pressure Sores

56. Heimlich maneuver is used to

- a) For emergency tracheal intubation in a patient who is not fasting
- b) To clear the upper airway obstruction by a foreign body
- c) To reduce both bones fracture of the forearm
- d) In obstructed complicated delivery in obstetrics

57. Congenital Adrenal Hyperplasia (CAH) is due to the deficiency of

- a) CYP 21 A2
- b) CYP 26 A1
- c) CYP 26 B1
- d) CYP 19

58. Ribozymes

- a) Are any ribonucleoprotein particles
- b) Are enzymes whose catalytic function resides in RNA sub units
- c) Carry out self processing reaction but cannot be considered true catalysts
- d) Require a protein cofactor to form a peptide bond

59. Low molecular weight neuro transmitters acetyl choline, dopamine and epinephrine are imported from the cytosol into synaptic vesicles by

- a) H^+ linked antiporters
- b) Na^+ linked antiporters
- c) K^+ linked antiporters
- d) None of the above

60. Investigation of choice for temporal bone

- a) X-ray
- b) USG
- c) HRCT
- d) MRI

61. Rigor mortis in a fetus develops after attaining

- a) 3 months of age
- b) 5 months of age
- c) 7 months of age
- d) 10 months of age

62. Parahemophilia refers to deficiency of

- a) Factor V
- b) Factor VI
- c) Factor VII
- d) Factor X

63. In which of the following arthritis, erosions are NOT seen

- a) Rheumatoid arthritis
- b) SLE
- c) Psoriasis
- d) Gout

64. The representative of myocardial afterload is

- a) The pressure during filling of ventricle
- b) Left ventricular end-diastolic volume
- c) Left ventricular end-diastolic pressure
- d) Mean aortic pressure

65. Which of these cestodes has a life cycle in a single host:

- a) Diphylobothrium latum
- b) Echinococcus granulosus
- c) Hymenolepis nana
- d) Dipylidium caninum

66. The objectives of the Integrated Child Development Services (ICDS) in India are all EXCEPT

- a) To improve the nutritional and health status of children in the age group 1-5 years
- b) To lay the foundations for proper psychological, physical and social development of the child
- c) To reduce morbidity, mortality, malnutrition and school drop-out
- d) To enhance the capability of the mother and nutritional needs of the child

67. Premalignant condition associated with Osteosarcoma

- a) Osteomalasia
- b) Pager's disease
- c) Hyperparathyroidism
- d) Flurosis

68. Proximal (type II) Renal Tubular Acidoses, suggestive clinical findings include

- a) Urine PH less than 5.5 with K^+ normal or low
- b) Urine PH more than 5.5 with hypokalemia
- c) Urine PH less than 5.5 with hyperkalemia
- d) Urine PH more than 5.5 with K^+ normal or low

69. Displacements in Colles' fracture are all EXCEPT

- a) Proximal displacement
- b) Dorsal displacement
- c) Lateral displacement
- d) Medial displacement

70. Diamniotic monochorionic pregnancy results due to

- a) If cell division occurs within first 72 hours
- b) If the cell division occurs on 4th to 8th day
- c) If the cell division occurs after 8th day
- d) If the cell division occurs after 2nd to 4th day

71. _____ per cent of all salivary stones occur in the submandibular glands:

- a) 20
- b) 40
- c) 60
- d) 80

72. Facilitative human glucose transporter GLUT – 7 (microsomal) is

- a) Involved in glucose transport in neurons
- b) Involved in insulin stimulated glucose transport
- c) Involved in non rate limiting glucose transport
- d) Involved in release of glucose from endoplasmic reticulum

73. Breathing 80 - 100% oxygen at atmospheric pressure for a prolonged period of 8 hrs or more causes

- a) Auditory disturbances
- b) Dizziness
- c) Retrosternal pain
- d) Convulsions

74. Fourth perforator artery is

- a) Termination of profunda femoris artery
- b) Branch of profunda femoris artery
- c) Branch of femoral artery
- d) Termination of femoral artery

75. Drugs used in the secondary prevention of Rheumatic fever include all of the following EXCEPT

- a) Erythromycin
- b) Sulfadiazine
- c) Benzathine penicillin G
- d) Tetracycline

76. The drug that decreases serum level of maraviroc is

- a) Atazanavir
- b) Lopinavir
- c) Etravirine
- d) Nevirapine

77. A 50 years old school teacher presented with hoarseness of voice since 6 months. On examination, he was found to have growth involving (Lt) vocal cord and anterior commissure. (Lt) Vocal cord was fixed. Biopsy showed squamous cell carcinoma. There was no cartilage erosion on CT Scan. The Serum Creatinine levels were higher side of normal. The preferred treatment for him would be:

- a) Total Laryngectomy + Radiotherapy
- b) Concurrent Radiotherapy + Carboplatin based Chemotherapy
- c) Concurrent Radiotherapy + Cisplatin based Chemotherapy
- d) Cetuximab + Cisplatin based Chemotherapy

78. The type of renal stone causing staghorn calculus is

- a) Calcium oxalate
- b) Struvite
- c) Uric acid
- d) Cystine

79. A neonate is classified as Appropriate for Gestational Age (AGA) whose weight falls between

- a) 3rd and 97th percentile
- b) 5th and 95th percentile
- c) 10th and 90th percentile
- d) 25th and 75th percentile

80. All of the following are seen in tumor lysis syndrome, **EXCEPT**
- a) Hyperkalemia
 - b) Hypercalcemia
 - c) Hyperuricemia
 - d) Hyperphosphatemia
81. Benzopyrene, a xenobiotic produced by combustion of a variety of substances:
- a) Induces the synthesis of cytochrome P450
 - b) Undergoes epoxidation by a cytochrome P450
 - c) Is converted to a potent carcinogen in animals by cytochrome P450
 - d) All of the above
82. The hemoglobin electrophoresis pattern that suggests beta thalassemia is
- a) High HbF level with 3% HbA₂
 - b) 5% HbA₂ level with slightly increased Hb F
 - c) Hb H
 - d) Hb Bart
83. A patient presents with ataxia, urinary incontinence and dementia. The likely diagnosis is
- a) Alzheimer's disease
 - b) Parkinson's disease
 - c) Steel richardson syndrome
 - d) Normal pressure hydrocephalus
84. Under eradication of congenital rubella syndrome program the first priority group for rubella vaccination is ?
- a) All non pregnant women of age 15 to 34
 - b) All adolescent non pregnant girls 15 to 24 years of age
 - c) All female children at one year
 - d) All non pregnant women
85. Paralytic Ileus is due to all **EXCEPT**
- a) Peritonitis
 - b) Hypokalemia
 - c) Uraemia
 - d) None of the above
86. Liposomes are
- a) Purified phospholipids and cholesterol
 - b) Non toxic and biodegradable particles
 - c) Used as carriers of drugs enzymes to target tissues
 - d) All the above

87. Appley's distraction test is done for

- a) Meniscal injury of the knee
- b) Cruciate ligament injury of the knee
- c) Collateral ligament injury of the knee
- d) Patellar ligament injury of the knee

88. Aetiologically rabbit syndrome is

- a) Idiopathic
- b) Iatrogenic
- c) Congenital
- d) Habit disorder

89. The tumor that can be cured even in the presence of widespread dissemination is

- a) Gestational Trophoblastic Disease (GTD)
- b) Epithelial ovarian cancer
- c) Cervical cancer
- d) Endometrial cancer

90. The commonest trigger factor for erythema multiforme is

- a) Herpes simplex infection
- b) Drug
- c) Polyarteritis nodosa
- d) Carcinoma

91. Rapid removal of large amounts of fluid from long standing pleural effusion may result in

- a) Pulmonary edema
- b) Systemic embolism
- c) Right heart failure
- d) Lobar pneumonia

92. Contraindication for retrosternal goitre with thyrotoxicosis causing obstruction is :

- a) Thyroxin
- b) Antithyroid drugs
- c) Surgery
- d) None of the above

93. Friedreich Ataxia is specifically due to the mutation of

- a) Mitochondrial protein frataxin
- b) Cytosolic protein frataxin
- c) Cytosolic protein ferritin
- d) The transport protein transferrin

94. Phases of the physiological response to injury

- a) Injury, flow phase, ebb phase, recovery
- b) Injury, ebb phase, flow phase, recovery
- c) Injury, ebb phase, recovery, flow phase
- d) Injury, recovery, flow phase, ebb phase

95. Macafee's regime is adopted in the management of

- a) Eclampsia
- b) Abruptio placenta
- c) Placenta previa
- d) All of the above

96. Sweating is **NOT** present in

- a) Heat syncope
- b) Heat cramps
- c) Heat stroke
- d) Heat fatigue

97. Major criteria for diagnosis of polycystic ovary syndrome include:

- a) Chronic anovulation
- b) Hyperandrogenemia
- c) Both the above
- d) None of the above

98. In the cellular turnover of RNA

- a) Repair is more active than degradation
- b) Regions of extensive base pairing are more susceptible to cleavage
- c) Endonucleases may cleave the molecule starting at either the 5' -or 3' - end
- d) The products are nucleotides with a phosphate at either the 3' - or 5' -OH group

99. Which of the following is the most potent inducer of CYP 1A2?

- a) Carbamazepine
- b) Grape fruit juice
- c) Fluvoxamine
- d) Chronic smoking

100. Popliteus rotates the tibia on the femur

- a) Laterally
- b) Medially
- c) Not concerned with rotation
- d) Extension

101. In normal labour head is delivered by
- a) Love set's maneuver
 - b) Pinard's maneuver
 - c) Modified ritgen maneuver
 - d) Wood screw maneuver
102. Resistance to laminar flow in a vessel is
- a) Inversely proportional to wall thickness
 - b) Proportional to length
 - c) Inversely proportional to viscosity
 - d) Proportional to the pressure drop
103. Rectified spirit is NOT used as preservative in poisoning case of:
- a) Phenol
 - b) Cyanide
 - c) Insecticides
 - d) Aluminium phosphide
104. Bronchocentric granulomas are seen in all of the following EXCEPT
- a) Wegener's granulomatosis
 - b) Sarcoidosis
 - c) Cystic fibrosis
 - d) Rheumatoid arthritis
105. A drug which inhibits the enzyme integrase is
- a) Maraviroc
 - b) Bevirimat
 - c) Raltegravir
 - d) Enfuvirtide
106. In spur cell anemia the erythrocyte membrane will have
- a) Increased cholesterol content and spiny shape
 - b) Decreased cholesterol content and spiny shape
 - c) Increased phospholipid content and spiny shape
 - d) Decreased phospholipid content and spiny shape
107. Anderson – Hynes Operation is for
- a) Hydronephrosis
 - b) Mitral Stenosis
 - c) AV Fistula of Lower Limb
 - d) Incisional hernia

108. The following phenothiazines have piperazine side chain **EXCEPT**

- a) Thioridazine
- b) Fluphenazine
- c) Trifluoperazine
- d) Perphenazine

109. Regarding childhood tuberculosis all are true **EXCEPT**

- a) A symptomatic child with a positive Mantoux test is treated as a case of TB
- b) Children rarely have sputum smear-positive TB
- c) Chemoprophylaxis should be given to infants if the mother has smear-positive TB
- d) A negative tuberculin test excludes TB

110. Among female factors of infertility, prevalence of ovulatory dysfunction is

- a) 5%
- b) 20%
- c) 30-40%
- d) 60%

111. Cells of Dieters

- a) Lie between the rows of outer hair cells
- b) Between the rods
- c) Between the cones
- d) Between alpha cells and beta cells

112. Which one of the following has classically the inheritance of autosomal dominance

- a) Cystic fibrosis
- b) Hereditary spherocytosis
- c) Sickle cell anaemia
- d) Thalassemia

113. Which of the following is **NOT** a feature of Pierre Robin Syndrome?

- a) Micrognathia
- b) Cleft palate
- c) Macroglossia
- d) Glossoptosis

114. The bone marrow examination in multiple myeloma can show all the following **EXCEPT**

- a) Doule bodies
- b) Russell bodies
- c) Dutcher bodies
- d) Mott cells

115. Which of the following statements regarding the composition of aqueous humor is TRUE

- a) It is slightly hypotonic compared to plasma
- b) It is alkaline
- c) Has marked excess of ascorbate, when compared to plasma
- d) Albumin / globulin ratio is altered when compared to plasma

116. Papular – purpuric “gloves and socks” syndrome (PPGSS) is associated with which infection?

- a) Herpes Simplex Virus
- b) Parvovirus B 19
- c) Varicella Zoster Virus
- d) Epstein Barr Virus

117. All species of dermatophyte can cause tinea capitis EXCEPT

- a) M.audouinii
- b) T.schonleinii
- c) T.violaceum
- d) E.floccosum

118. Tissue cysts Toxoplasma gondii contains:

- a) Tachyzoites
- b) Bradyzoites
- c) Oocyst
- d) None of the above

119. The second commonest musculoskeletal pain is:

- a) Leg pain
- b) Back pain
- c) Shoulder pain
- d) Abdominal pain

120. Meralgia paraesthetica is due to entrapment of

- a) Lateral cutaneous nerve of the forearm
- b) Lateral cutaneous nerve of the thigh
- c) Medial cutaneous nerve of the forearm
- d) Medial cutaneous nerve of the thigh

121. Solifenacin is used in

- a) Benign Prostatic Hypertrophy
- b) Overactive Bladder
- c) Migraine
- d) Multiple Myeloma

122. All are true about Vogt-Kayanagi – Harada (VKH) syndrome **EXCEPT**

- a) Unilateral
- b) Panuveitis
- c) Exudative rd
- d) May be associated with vitiligo

123. The collagen type in all basement membranes is

- a) I
- b) II
- c) III
- d) IV

124. Identical twins may **NOT** have

- a) Same DNA fingerprint
- b) Same finger print pattern
- c) Same blood group
- d) Same HLA system

125. In a neonate, the most appropriate method for obtaining a urine specimen for culture is

- a) Indwelling catheter sample
- b) Clean catch void
- c) Urinary bag sample
- d) Supra pubic aspiration

126. Disease that does **NOT** recur in the kidney after renal transplant is

- a) Alport's syndrome
- b) Amyloidosis
- c) Good pasteur's syndrome
- d) Diabetic nephropathy

127. Lovibond's angle is normally

- a) 180°
- b) 200°
- c) $<160^{\circ}$
- d) $>220^{\circ}$

128. The blood supply to the upper third of the vagina is by

- a) Inferior vesical artery
- b) Middle rectal and pudendal arteries
- c) Cervico vaginal branches of uterine arteries
- d) All of the above

129. Factor that inhibits gastrin secretion is

- a) Atropine
- b) Epinephrine
- c) Luminal peptides
- d) Secretin

130. Net Reproductive Rate (NRR) means

- a) Average number of children that would be born to a married woman
- b) Average number of children that would be born to a woman
- c) Average number of girls that would be born to a woman
- d) The number of daughters a newborn girl will bear during her lifetime

131. What regarding Typhus is **FALSE**

- a) Lice transmit endemic typhus
- b) Fleas transmit murine typhus
- c) Mites transmit scrub typhus
- d) Ticks transmit tick typhus

132. **SIRS** (Systemic Immune Response Syndrome) includes:

- a) White Cell Count $= 12 \times 10^9 \text{ l}^{-1}$ or $= 4 \times 10^9 \text{ l}^{-1}$
- b) White Cell Count $> 12 \times 10^9 \text{ l}^{-1}$ or $> 4 \times 10^9 \text{ l}^{-1}$
- c) White Cell Count $> 12 \times 10^9 \text{ l}^{-1}$ or $< 4 \times 10^9 \text{ l}^{-1}$
- d) White Cell Count $< 12 \times 10^9 \text{ l}^{-1}$ or $> 4 \times 10^9 \text{ l}^{-1}$

133. Cholesteryl Ester Storage Disease (CESD) and Wolman's disease are two distinct Phenotypic forms of a genetic deficiency of

- a) Human Lysosomal Acid Lipase (HLAL)
- b) Lecithin Cholesterol Acyl Transferase (LCAT)
- c) Human cytosolic lipase
- d) None of the above

134. The fate of pyruvate labeled with ^{14}C each of the following positions: carbon 1 (carboxyl), carbon 2 (carbonyl) and carbon 3 (methyl). Predict the fate of each labeled carbon during one turn of the citric acid cycle:

- a) C-1 released as CO_2 , C-2 and C-3 are retained in oxaloacetate
- b) C-3 released as CO_2 , C-1 and C-2 are retained in oxaloacetate
- c) C-1, C-2 and C-3 all are released as carbondioxide
- d) None of the above

135. Proton MR spectroscopy has increased NAA peak characteristic of
- a) Alexander disease
 - b) Canavan's disease
 - c) Leigh's disease
 - d) Kearns – Sayre Syndrome
136. A 3 years old child presented with cough and fever of 7 days duration which apparently started suddenly. The child had eaten peanuts prior to onset of symptoms. The patient did not respond to antibiotics given by a local doctor over last 3 days. The child had wheeze over (Rt) side of chest on auscultation along with scattered crepitations. X-ray chest showed hyperinflation of (Rt) lung. The ideal management of the patient would be:
- a) Fibre Optic Bronchoscopy and endobronchial suction
 - b) Sputum for Culture and Sensitivity and change of antibiotic + Bronchodilators
 - c) Intercostal drain under water seal
 - d) Rigid Bronchoscopy and clearance of obstruction if any
137. An endothelin receptor antagonist is
- a) Icatibant
 - b) Zileuton
 - c) Bosentan
 - d) Nesiritide
138. All are true about Coat's disease of the Retina **EXCEPT**
- a) Male preponderance
 - b) Inherited as autosomal dominant
 - c) Usually unilateral
 - d) Presence of leucocoria
139. The hereditary hyperbilirubinemia with Autosomal Dominant (AD) inheritance is
- a) Crigler – Najjar syndrome type I
 - b) Crigler – Najjar syndrome type II
 - c) Dubin – Johnson syndrome
 - d) Rotor syndrome
140. Beer drinkers heart is due to excessive intake of
- a) Cobalt
 - b) Zinc
 - c) Iron
 - d) Copper

141. The half life of radio active ^{32}P is
- a) 28.4 days
 - b) 14.2 days
 - c) 7.1 days
 - d) None of the above
142. The drug which acts by inhibiting topoisomerase I is
- a) Etoposide
 - b) Irinotecan
 - c) Vinorelbine
 - d) Procarbazine
143. Marker that is usually expressed in mesothelioma is
- a) CEA
 - b) TTF-1
 - c) WT-1
 - d) CD 15
144. Powers of 1st class magistrate:
- a) Imprisonment not exceeding 7 years and fine of any amount
 - b) Imprisonment not exceeding 3 years and fine upto rs 10000/-
 - c) Imprisonment not exceeding 3 year and fine upto rs 5000/-
 - d) Imprisonment not exceeding 1 year and fine upto Rs 5000/-
145. All of the following statements about leukotriene modifiers in the management of bronchial asthma are true **EXCEPT**
- a) May be used for acute asthma
 - b) May be used for exercise induced asthma
 - c) Zileuton is leukotriene modifier
 - d) May uncover churg strauss syndrome
146. Vertebra L5, distinguished by its
- a) Transverse process is passing laterally and then superolaterally to a blunt tip
 - b) Transverse process is thin and long passing laterally with sharp tip
 - c) Transverse process is thick and passing ventrally to a blunt tip
 - d) Transverse process is thin to a blunt tip

147. In the jugular venous pressure waveform
- a) The 'a' wave is due to ventricular systole
 - b) The 'v' wave is caused by atrial contraction
 - c) The 'a' wave corresponds with closure of the aortic valve
 - d) The 'v' wave occurs during ventricular diastole
148. All the drugs are keratolytics EXCEPT
- a) Glycolic acid
 - b) Lactic acid
 - c) Urea
 - d) Octinoxate
149. Cardiac output is increased in all EXCEPT
- a) Beri Beri
 - b) Acute Venous Dilation
 - c) Arteriovenous Fistula
 - d) Anemia
150. Extended Spectrum Beta Lactamase producing organisms should be considered resistant to which of the following agents?
- a) Cephalosporins, penicillins and aztreonam
 - b) Cephalosporins, penicillins and aminoglycosides
 - c) Cephalosporins, penicillins and β lactamase inhibitors
 - d) Penicillins and aminoglycosides
151. The drug of choice for treating cholera in a pregnant women is ?
- a) Tetracycline
 - b) Doxycycline
 - c) Furazolidine
 - d) Cotrimoxazole
152. A proactive approach to prevent unnecessary aspects of the surgical stress response include all EXCEPT
- a) Minimal access techniques
 - b) Blockade of afferent painful stimuli
 - c) Minimal periods of starvation
 - d) Late mobilization
153. Which of the following is TRUE with classic Beck's triad
- a) Is seen with insulinoma
 - b) May be associated with cardiac tamponade
 - c) Diverticulosis forms one of the disease of this triad
 - d) Venous stasis is one of the pathological feature

154. The respiratory quotients for ethanol and stearic acid respectively are

- a) 0.67 and 0.69
- b) 0.69 and 0.71
- c) 0.69 and 0.67
- d) 0.71 and 0.69

155. A protein tyrosine kinase inhibitor is

- a) Arsenic trioxide
- b) Rituximab
- c) Denileukin diftitox
- d) Erlotinib

156. A 50 years old male presents with a history of chest pain one week earlier. The best biochemical marker to confirm myocardial infarction is

- a) Lactate dehydrogenase (LDH)
- b) Creatine kinase (KK)
- c) Creatine Kinase MB (CK-MB)
- d) Troponin T (Tn T)

157. ECG changes associated with hyperkalemia include all of the following **EXCEPT**

- a) Tall peaked T waves
- b) Prolonged QT interval
- c) Prolonged PR interval
- d) Sine wave pattern

158. Intestinal angina is a symptom complex of the following

- a) Post prandial abdominal pain, weight loss and acute mesenteric vessel occlusion
- b) Post prandial abdominal pain, weight loss and chronic mesenteric vessel occlusion
- c) Pre prandial abdominal pain, weight gain and chronic mesenteric vessel occlusion
- d) Pre prandial abdominal pain, weight gain and acute mesenteric vessel occlusion

159. Inferior thyroid vein drains into

- a) Internal jugular vein
- b) Subclavian vein
- c) Brachiocephalic vein
- d) Superior vena cava

160. The recommended age for initiation of Human Papilloma Virus Vaccination is

- a) 2-4 months
- b) 15-18 months
- c) 3-5 years
- d) 10-12 years

161. Dengue shock syndrome is characterized by the following EXCEPT

- a) Thrombocytopenia
- b) Decreased hemoglobin
- c) Hepatomegaly
- d) Pleural effusion

162. Pre-renal azotemia is characterised by all of the following EXCEPT

- a) Fractional excretion of sodium less than 1%
- b) Urine osmolality more than 500.m.osm/kg
- c) Urinary creatinine to plasma creatinine ratio is less than 40
- d) Reversible with replacement fluids

163. A 24 year old male presents with abdominal pain, rashes, palpable purpura and arthritis. The most probable diagnosis is

- a) Henoch Schonlein Purpura (HSP)
- b) Sweet syndrome
- c) Meningococemia
- d) Haemachromatosis

164. The lateral geniculate body is visible as a small ovoid projection from the

- a) Anterior Thalamus
- b) Posterior Thalamus
- c) Sub Thalamus
- d) Epi Thalamus

165. The most important antero posterior diameter of the pelvic inlet

- a) Anatomical conjugate
- b) Obstetrical conjugate
- c) Diagonal conjugate
- d) True conjugate

166. Pulse pressure increases with an increase in

- a) Stroke Volume
- b) Arterial Partial Pressure Of Oxygen
- c) Systemic Vascular Resistance
- d) Blood Viscosity

167. The virus strain used in live attenuated Japanese Encephalitis vaccine is:

- a) Jerry Lynn
- b) RA 27/3
- c) Edmonston Zagreb
- d) SA 14 – 14 – 2

168. Which of the statements regarding Hepatitis is **FALSE**

- a) Hepatitis E is transmitted faeco-orally
- b) Hepatitis D virus is the etiologic agent of Delta hepatitis
- c) Hepatitis C virus causes infection only in the presence of Hepatitis B virus
- d) Hepatitis A virus infection is usually mild or sub-clinical in children

169. True about point source epidemic are all **EXCEPT**

- a) The curve has rapid rise and slow decline
- b) All cases occur in one incubation period
- c) One single peak only
- d) No secondary waves

170. Delusion of infidelity on part of the sexual partner is known as

- a) De clerambault's syndrome
- b) Couvape syndrome
- c) Othello syndrome
- d) Ekbon syndrome

171. Suggested prophylactic regimen for appendicectomy includes:

- a) One dose of a second-generation cephalosporin with metronidazole
- b) Two doses of a second-generation cephalosporin with metronidazole
- c) Three doses of a second-generation cephalosporin with metronidazole
- d) Four doses of a second-generation cephalosporin with metronidazole

172. The most common cause of sudden death after severe isolated blunt injury chest

- a) Rupture of main bronchus
- b) Rv rupture with cardiac tamponade
- c) Descending thoracic aortic rupture beyond the left subclavian artery
- d) Ascending aortic rupture with cardiac tamponade

173. The neurotoxin veratridine is of

- a) Animal origin
- b) Bacterial origin
- c) Plant origin
- d) Fungal origin

174. The most characteristic feature of X linked Adrenoleukodystrophy (ALD) include

- a) Excessive oxidation of short chain fatty acids
- b) Defective peroxisomal oxidation of long chain fatty acids
- c) Defective oxidation of short change fatty acids
- d) Excessive peroxisomal oxidation of long chain fatty acids

175. The drug that can be used in P.jiroveci infection is

- a) Artesunate
- b) Atovaquone
- c) Nitazoxanide
- d) Nifurtimox

176. Azzopardi phenomenon is seen in which lung tumor

- a) Squamous cell carcinoma
- b) Large cell carcinoma
- c) Small cell carcinoma
- d) Adenocarcinoma

177. Two weeks after immunization, a 4 year old child presents with generalized edema. Urinary protein is 4.3 gm/24 hrs and serum albumin 2.8 gm/dl. In the most likely glomerular lesion, the glomerulus will show

- a) Hypercellularity
- b) Thickened basement membrane
- c) Tram track appearance
- d) Loss of foot processes

178. Cyanotic Congenital Heart Disease with increased pulmonary blood flow include all of the following **EXCEPT**

- a) Transposition of Great Arteries
- b) Single Ventricle
- c) Truncus Arteriosus
- d) Total Anomalous Pulmonary Venous Return (TAPVR) with obstruction

179. A 25 years old female has diarrhea, continuous high grade fever with bilateral pneumonitis. The probable diagnosis is

- a) Legionella pneumonia
- b) Neisseria meningitis
- c) Streptococcus pneumonia
- d) H.influenza

180. Which of the following statements about cystic fibrosis is **NOT** true

- a) Autosomal recessive disorder
- b) Abnormality in Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) which leads to defective calcium transport
- c) Predisposition to pulmonary infection with pseudomonas
- d) Cirrhosis an established complication of cystic fibrosis