

# DR.UMANATH ADHIKARI

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## MD/MS IOM Entrance 2071

1. Ape Hand deformity is seen in which of the following nerve injury?
  - A. Radial Nerve
  - B. Ulnar Nerve
  - C. Median Nerve
  - D. Musculocutaneous Nerve
  
2. Upper lip and the philtrum area is supplied by which one of the following nerve ?
  - A. Mandibular Nerve
  - B. Maxillary Nerve
  - C. Facial Nerve
  - D. Ophthalmic Nerve
  
3. Pinna is not supplied by which one of the following nerve ?
  - A. Greater Auricular Nerve
  - B. Posterior Occipital Nerve
  - C. Glossopharyngeal Nerve
  - D. Vagus Nerve
  
4. Which one of the following nerve is present in the pyriform fossa?
  - A. External laryngeal nerve
  - B. Internal Laryngeal Nerve
  - C. Recurrent Laryngeal Nerve
  - D. Superior Laryngeal Nerve
  
5. Which one of the following is true about Right Bronchial artery ?
  - A. Pulmonary artery and Bronchial Artery doesn't Fuse
  - B. Bronchial artery reaches upto the pleural surface
  - C. Bronchial artery arises from the left third IC artery

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6. Left Gastroepiploic artery is a branch of ?

- A. Splenic artery
- B. Common Hepatic Artery
- C. Left Gastric Artery
- D. Hepatoduodenal artery

7. Which one of the following events happens earliest in the 3rd week of development ?

- A. Formation of endoderm
- B. Formation of Primitive Streak
- C. Formation of Neural Tube
- D. Formation of Notochord

8. A Hypothetical drug has blood concentration of 2mg/dl, urinary concentration 200mg/dl and the renal urinary flow is 2ml/min. what will be the clearance of the drug?

- A. 10ml/min
- B. 20ml/min
- C. 50ml/min
- D. 2000 ml/min

9. Saline Adenine Glucose Mannitol(S-AGM) is used as a preservative in which of the following blood products?

- A. Packed red cell
- B. Platelets
- C. Cryoprecipitate
- D. FFP

10. Which one of the following ion is exchanged with Hydrogen ion in the CD ?

- A. Sodium
- B. Potassium
- C. Bicarbonate
- D. Chloride

11. Which one of the following events occurs last in puberty ?

- A. Thelarche
- B. Pubarche
- C. Menarche
- D. Growth Spurt

12. Which one of the following enzymes digests protein ?

- A. Amylase
- B. Lipase
- C. Endopeptidase
- D. Pepsin

13. Type II fast twitch muscles are rich in which enzymes ?

- A. Glycolytic Enzymes
- B. Mitochondria
- C. Lysosomes
- D. Ribosomes

14. Which one of the following is a derivative of Cholesterol ?

- A. Cholic Acid
- B. Serotonin
- C. Dopamine
- D. Acetylcholine

15. Decreased heme synthesis will lead to which of the following ??

- A. Iron deficiency Anemia
- B. Myelodysplasia
- C. Sickle cell Anemia
- D. Alpha-Thalassemia

16. C3 levels are decreased in which one of the following ?

- A. MPGN
- B. Membranous nephropathy
- C. IgA Nephropathy
- D. FSGS

17. Which protein precipitates at 45 degree and melts again at 80 degree?

- A. Albumin
- B. Bence Jones Protein
- C. Globulin
- D. Fibrinogen

18. Which one of the following is metabolized by MAO ?

- A. Epinephrine
- B. Histamine
- C. GABA

19. Which one of the following statements is true in Acute Aspirin overdose ?

- A. Alkalinization of Urine
- B. Respiratory Acidosis
- C. Metabolic Alkalosis

20. Which one of the following receptors is the mechanism of vomiting in chemotherapy ?

- A. 5HT<sub>3</sub>
- B. D<sub>2</sub>
- C. M<sub>3</sub>

21. Why is furosemide and NSAIDs aren't used together ?

- A. NSAIDs inhibit formation of prostacyclin
- B. NSAIDs causes increase excretion of Furosemide
- C. Decrease platelets aggregation
- D. Increase water excretion

22. Tyrosine Kinase Inhibitors is used in which one of the following ?

- A. GIST
- B. AML
- C. Pancreatic Ca
- D. Lung Ca

23. Which one of the following drugs results in pulmonary fibrosis ?

- A. Methotrexate
- B. Cisplatin
- C. Bleomycin

24. Which one of the anti anxiety and anti epileptic drugs causes increased metabolism of warfarin phenytoin?

- A. Phenobarbital
- B. Triazolam
- C. Lorazepam
- D. Secobarbital

25. How do you differentiate between Listeria and Group B Streptococcus ?

- A. Lancefield Antigen
- B. Bacitracin Sensitivity
- C. Reverse CAMP
- D. Catalase Positivity

26. How do you differentiate between Klebsiella and Enterococcus ?
- A. Motility
  - B. Glucose Fermentation
  - C. NOGN reaction
27. Which one of the following is the cause of secondary infection in Human Bites ?
- A. Streptococcus
  - B. Staphylococcus
  - C. Eikenella
28. For anaerobic urine culture which one of the following methods is the best ?
- A. Mid stream clean catch
  - B. Suprapubic Aspiration
  - C. Catheter urine
  - D. Early morning first flow urine
29. Which one of the following is observed at the end of first week of wound healing by primary intention ?
- A. Granulation tissue invades the wound area at the end of first week
  - B. The healing is at its maximum strength
  - C. Injured dermal appendages along the line of incision are permanently lost
30. Stage II hemorrhagic shock is blood loss of how much?
- A. 15%
  - B. 15-30%
  - C. 30-40%
  - D. >40%
31. Which one of the following is associated with Testicular torsion?
- A. Bell Clapper Deformity
  - B. Kudos Test
  - C. McBurney's Test
  - D. Kernig's Test

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32. Shameful exposure of the testis is seen in which one of the following conditions ?
- A. Fournier Gangrene
  - B. Epididymoorchitis
  - C. Testicular Torsion
  - D. Vaginal Cystocele
33. Which one of following is not included in the Lethal triad of trauma?
- A. Acidosis
  - B. Coagulopathy
  - C. Hypoglycemia
  - D. Hypothermia
34. In a resource limited situations which one of the following is used for the diagnosis of Duodenal atresia ?
- A. Xray
  - B. CT
  - C. MRI
  - D. USG
35. Pringle maneuver is used for which one of the following ?
- A. Bile Duct
  - B. Splenic Artery Ligation
  - C. Ligation of aorta above celiac axis
36. Surgery is done for undescended testis in which time period ?
- A. Before School
  - B. 6 months

- C. 1 year
- D. At birth

37. A guy with BP 220/150 with SOB..chest clear with B/L basal crepts and wheeze?

- A. Pulmonary Embolism
- B. Pulmonary Embolism
- C. Pneumothorax

38. A guy with 10 episodes of syncope last week with bradycardia. Treatment of choice is ?

- A. Pacemaker insertion
- B. Synchronized DC
- C. Atropine
- D. Flecainide

39. Quadriplegia which is severe in upper limbs than lower limbs is seen in which one of the following ?

- A. Brown Sequard Syndrome
- B. Anterior Cord Syndrome
- C. Posterior Cord Syndrome
- D. Central Cord Syndrome

40. Which one of the following disease manifestations is similar to botulinum toxicity?

- A. Multiple Sclerosis
- B. GBS
- C. Alcohol Intoxication
- D. Datura Poisoning

41. In cases of MS pre systolic attenuation is absent in which of the following condition ?

- A. Premature atrial beat
- B. AFib
- C. VFib
- D. Ventricular Ectopics



42. HRCT is indicated in which one of the following conditions ?

- A. ILD
- B. COPD
- C. Ca Lung
- D. Pneumonia

43. ABG shows type II respiratory failure..is seen in which one of the following ?

- A. Pleural Effusion
- B. Pneumonia
- C. COAD

44. Which one of the following occurs earliest in septic shock?

- A. Acidosis
- B. Hypotension
- C. Cutaneous Vasodilation
- D. Decreased Cardiac Output

45. In which one of the following lung ca there is no vascular lymphatics and stromal invasion?

- A. Bronchioalveolar
- B. Acinar adenocarcinoma
- C. Large Cell Lung Ca
- D. SCC

46. Which one of the following signs best describe opioid overdose?

- A. Miosis Respiratory depression and hypotension

47. A 11 yrs old boy presents with history of 'BIDAILY' fever of 3 months duration. O/E Hepatosplenomegaly with Hb:8, WBC:3800, Plt:105000...most likely diagnosis is ??

- A. Malaria
- B. Kala-azar
- C. Lymphoma

48. A young patient with a history of fever of 1 week duration with yellowish tinge, hepatosplenomegaly and Hg: 8, WBC: 500, Plt: 160,000, ESR:16, Bil: 26 micromol/l, AST:30, Retics: 2.5. Most likely diagnosis is ??

- A. Viral hepatitis
- B. Hemolytic anemia
- C. Pernicious anemia

49. Positive urine anion gap is seen in which one of the following ?

- A. Acute Diarrhea
- B. RTA
- C. Vomiting
- D. Aspirin Toxicity

50. In reperfusion after MI which one of the following happens ?

51. In Amyloidosis, B2 microglobulin is seen in which one of the following conditions ?

- A. Chronic Kidney Failure
- B. Multiple Myeloma
- C. MGUS
- D. Medullary Ca Thyroid

52. What is the choice of iv fluid for rehydration in a child not passing urine for last 12 hrs

- A. RL
- B. 1/2 NS + Dext
- C. 1/2 NS+ Dextrose + KCL
- D. NS

53. TB resistance in pediatrics is characterized by which of the following ?

- A. Drug resistance is common with coexisting HIV
- B. Drug resistance is severe is resistant to 2 drugs rather than one drug

54. Which statement is true about pediatric tuberculosis?
- A. Disseminated TB and meningitis are late complications
  - B. Reactivation commonly occurs
  - C. Tuberculous effusion is not seen in children <6yrs
55. Which one of the following dens fracture does not unite?
- A. Type I
  - B. Type II
  - C. Type III
  - D. Doesn't depend on type
56. What differentiates Periapical abscess and periodontal abscess ?
- A. Tooth motility
  - B. Tenderness
  - C. Site of swelling
57. Surgical indication for Pterygium?
- A. Myopia
  - B. Astigmatism
  - C. Macular Degeneration
58. Tensile strength of the bone is due to which one of the following ?
- A. Calcium
  - B. Collagen
  - C. Matrix
59. Thomas test is done for ?
- A. #Humerus
  - B. Fixed flexion deformity of Hip
  - C. #NOF
  - D. Shoulder dislocation

60. Cow milk is yellow due to the presence of which one of the following carotene derivative ?

- A. Vitamin D
- B. Vitamin C
- C. Vitamin A

61. A hole drilled through MacEwen triangle opens into which one of the following?

- A. Middle cranial fossa
- B. Middle ear cavity
- C. Mastoid Antrum

62. Which one is the latest treatment modality in posterior epistaxis?

- A. Nasal Packing
- B. Sphenopalatine artery ligation
- C. Maxillary artery Ligation
- D. Caутery

63. A newborn develops mild cyanosis after birth and is tachypnea ? What's his ABG findings?

64. Which of the following ovarian tumour is associated with hyperthyroidism

- A. Struma ovarii
- B. Dysgerminoma
- C. Serous cystadenoma
- D. Brenner Tumor

65. Which of the following statement is true ?

- A. Dysgerminoma are the most common malignant ovary tumor
- B. Most of the germ cell tumors are malignant
- C. Yolk sack tumor are the least common ovarian tumors

66.Which one of the following is an indicator of a severity of a disease in a community?

- A. Case Fatality Rate
- B. Secondary Attack rate
- C. Crude Death rate

67.Which one of the following has two values?

- A. Mean
- B. Median
- C. Mode
- D. Range

68.Which one is used for the purification of water for general supply?

- A. Potassium Permanganate
- B. Chlorine
- C. Fluoride
- D. Ozone

69.Behavioral changes can be brought by which one of the following?

- A. Internalization
- B. Externalization

70.Which one of the following health education methods is the best method to bring changes in people behavior ?

- A. Symposium
- B. Group Discussion
- C. Panel Discussion
- D. Lecture

71.Hominid means ?

- A. Human and Animals
- B. Humans
- C. Humans and Apes
- D. Animals

72. Different patients coming to different OPD is best represented by ?

- A. Bar Diagram
- B. Histogram
- C. Pictogram
- D. Pie Chart

73. Covert behavior means ?

- A. Knowing Something
- B. Desire to do something
- C. Strong desire to do something

74. No. of disease people at a particular point of time is denoted by ?

- A. Incidence
- B. Prevalence

75. Which one of the following is the basis for oppositional Feminism ?

- A. Society
- B. Gender
- C. Community

76. Where is the location of lesion in patients with Wernicke Korsakoff Syndrome?

- A. Mammillary body
- B. Hippocampus
- C. Basal Ganglia
- D. Hypothalamus

77. A patient feels he is being followed and they are planning to do him harm? This is called

- A. Persecutory Delusion
- B. Psychosis
- C. Mania

D. Phobia

78. Which one of the following is the most common type of vertebral TB?

- A. Central
- B. Paradiscal
- C. Anterior
- D. Posterior

79. Single Rescuer CPR in children is in the ratio of ?

- A. 15:2
- B. 30:2
- C. 3:1
- D. 10:1

80. Which one of the following nerve is injured in # neck of humerus?

- A. Axillary Nerve
- B. Median Nerve
- C. Radial Nerve
- D. Musculocutaneous Nerve

81. *Corynebacterium minutissimum* causes which one of the following ?

- A. LGV
- B. Granuloma inguinale
- C. Pitted Keratolysis
- D. Acne

82. Which statement is true for scabies?

- A. Transmitted by fomites
- B. Treated with 2% permethrin
- C. Patient becomes infected even 24 hrs after treatment
- D. Papulopustular lesions are common in face hands hands foot

83. Which of the following nail signs is pathognomonic for Psoriasis ?

- A. Pitting of nails
- B. Oil Spots
- C. Oncolysis
- D. Subungual keratosis

84. A patient given LA with adrenaline develops arrhythmia, the likely inhalation agent responsible is ?

- A. Isoflurane
- B. Halothane
- C. NO
- D. Sevoflurane

85. Delayed recovery from neuromuscular blockade is seen in which ion deficiency ?

- A. Magnesium
- B. Potassium
- C. Sodium
- D. Calcium

86. Unilateral damage to the auditory cortex results in which one of the following symptoms ?

- A. Total Hearing Loss
- B. Loss of clarity of voice
- C. Loss of discrimination of sound

87. Picket fence fever is seen in which one of the following ?

- A. Lateral Sinus thrombosis
- B. Mastoiditis
- C. Attic Hydrocephalus
- D. Meningitis

88. Which one of the following is the most sensitive part of retina ?

- A. Fovea reticularis



- B. Fovea Centralis
- C. Optic Disc

89.M/c location for obstruction in patients with chronic dacryocystitis?

- A. Superior Canaliculus
- B. Common Canaliculus
- C. Nasolacrimal Duct
- D. Punctum

90.Neovascular glaucoma is seen in which one of the following conditions ?

- A. Diabetes Mellitus
- B. Open Angle Glaucoma
- C. Angle Closure Glaucoma

91.Autosomal dominant with micrognathia and other first arch symptoms are seen in ?

- A. Treacher Collins Syndrome
- B. Down's Syndrome
- C. Digeorge Syndrome
- D. Turner Syndrome

92.Which one is the investigation of choice in pleural effusion if patient can't stand ?

- A. Left Lateral Decubitus
- B. PA View

93.. Diuresis in DM occurs due to

- A. Decreased release of vasopressin
- B. High osmolarity of the tubular fluid
- C. Increased intake of fluid

94. Which of the following is true regarding twin pregnancy?

- A. There is equal growth of both twins till 30 wks
- B. Smaller twin has more risk of cerebral palsy

C. Difference of more than 25% weight of larger twin is diagnosed as weight discordance

95. Maximum refraction occurs on

- A. Anterior surface of cornea
- B. Posterior surface of cornea
- C. Anterior surface of lens
- D. Posterior surface of lens

96. Which of the following is true regarding Vagina?

- A. Lined by simple squamous epithelium
- B. Develops from mesonephric duct
- C. Agenesis of vagina is often associated with absence of uterus

97. A child presents with history of fever and sore throat for 5 days, O/E has cervical lymphadenopathy. Amoxicillin is prescribed for the treatment, but he develops maculopapular skin eruptions after few days. Which of the following test is most accurate for the diagnosis of the condition.

- A. Paul Bunnell test (Heterophil antibody test)
- B. Throat swab culture
- C. EBV-VCA

98. Which of the following drug causes hyperpolarization and delayed transmission of impulse in AV node ?

- A. Digoxin
- B. Adenosine
- C. Milrinone
- D. Verapamil

99. True regarding primary dysmenorrhoea

- A. Usually there is some underlying primary cause

- B. Pain mostly starts 1 week before the onset of menstruation
- C. OCPs are helpful for the treatment
- D. Usually associated with Anovulation

100. Most common degeneration in fibroid of uterus is

- A. Hyaline degeneration
- B. Red degeneration
- C. Cystic degeneration
- D. Myxoid degeneration