

AIIMS PG MAY 2017
(Based on Memory)

1. Which of the following an example of Anaplerotic reaction
 - a. Pyruvate to OAA
 - b. Pyruvate to Acetyl COA
 - c. Pyruvate to lactic acid
 - d. Pyruvate to alcohol
2. Thiamine deficiency cause decrease in energy production because decrease activity all except.
 - a. PDH COMPLEX
 - b. Alphaketogutarate dehydrogenase
 - c. Branch chain ketoacid dehydrogenase
 - d. Trans ketolase
3. In which of the following insulin / glucagon ratio is low –
 - a. Fat synthesis
 - b. Cholesterol synthesis
 - c. Glycogen storage
 - d. Ketogenesis
4. ATP are produced in anaerobic glycolysis with which substrate:
 - a. Fructose
 - b. Glucose
 - c. Galactose
 - d. Glycogen
5. Maximum thermic Effect of food is seen with
 - a. Carbohydrate
 - b. Fat
 - c. Protein
 - d. Thermic energy not related to macronutrients
6. The reason for high VLDL and triglyceride is diabetes mellitus?
 - a. High activity of lipoprotein lipase and high Activity of hormone sensitive lipase
 - b. High activity of lipoprotein lipase and low Activity of hormone sensitive lipase
 - c. Low activity of lipoprotein lipase and high Activity of hormone sensitive lipase
 - d. Low activity of lipoprotein lipase and low Activity of hormone sensitive lipase
7. Mode of action of phenylbutyrate defective urea cycle?
 - a. Scavenge excess nitrogen using glutamine
 - b. Scavenge excess nitrogen using glycine
 - c. Induces enzymes of urea cycle
 - d. Increase ATP production
8. Which of following true about mitochondrial DNA:
 - a. Has 23 chromosome derived from both parents
 - b. Mutations less frequent than nuclear DNA
 - c. Less than 20y. ETC enzymes subunits are encoded
 - d. Has more than 3 × 10⁶ base pairs
9. Decreased Insulin-Glucagon ratio is seen in all Except:
 - a. Glycogen storage
 - b. Glycogen breakdown
 - c. Gluconeogenesis
 - d. Ketogenesis
10. Which of the following is a editing techniques?
 - a. CRISPR / cas9

- b. Genome wide association studies (GWAS)
- c. Scanning Force Microscopy (SFM)
- d. Genexpert

11. Which of the following is responsible for Bezold jarisch reflex?

- a. Serotonin
- b. Histamine
- c. Angiotensin
- d. Prostaglandin

12. The oxygen carrying capacity of a 18-year old boy hemoglobin of 14g/dl is?

- a. 14
- b. 16
- c. 18
- d. 22

13. What will be the oxygen carrying capacity of an 18 year old male with blood hemoglobin level of 14gm/dl?

- a. 18ml /dl
- b. 14ml /dl
- c. 12ml /dl
- d. 10ml /dl

14. Role of acetone free methyl alcohol in leishman stain is:

- a. Fixes the cells to slide
- b. Stains the cells
- c. Disrupts the membrane
- d. Preserves the cell in their normal metabolic state

15. A patient of anemia with hemoglobin of 5 was evaluated. WBC and platelet was normal and reticulocyte count was 9% calculate corrected reticulocyte count:

- a. 4
- b. 4.5
- c. 3
- d. 3.5

16. If the RB gene phosphorylation is defective which of the following will happen

- a. Arrest at G1
- b. Arrest at G2
- c. No effect on cell cycle as RB Gene phosphorylation is not needed
- d. Cell cycle progresses and cell divides

17. Which of the following can change the gene expression by methylation and acetylation without affecting the content of gene?

- a. Amplification
- b. RNA editing
- c. Epigenetics
- d. Deletion

18. ALK gene mutation is seen in which of the following cancers?

- a. Synovial sarcoma
- b. Ewings sarcoma
- c. Fibromyosarcoma
- d. Inflammatory myofibroblastic tumor

19. Which one of the following is a negative acute phase reactants.

- a. Ferritin
- b. Albumin
- c. Hepcidin
- d. Crp

20. RDW denotes:

- a. Anisocytosis
- b. Poikilocytosis
- c. Polychromasia
- d. Hypochromasia

21. Which of the following is the new screening marker to diagnose hepatic fibrosis.

- a. Transaminases
c. Bilirubin and ALP

- b. Laminin and Hyaluronidase
d. GGT

22. Maximum risk of pancreatic cancer is seen with?

- a. Peutz-Jeghers syndrome
c. FAP

- b. Hereditary Pancreatitis
d. Famm syndrome

23. Mechanism of action of protease inhibitors is?

- a. Inhibition of protein translation and synthesis
b. Inhibition of assembly of virus particle
c. Inhibition of formation of viral DNA from RNA
d. Inhibition of formation of viral RNA copies

24. Components of lente insulin are?

- a. 30% amorphous + 70% crystalline
b. 30% crystalline + 70% amorphous
c. Same as NPH insulin
d. Only 70% amorphous

25. Which of the following is a bacteriocidal drug against Mycobacterium leprae?

- a. Amoxicillin
c. Erythromycin
- b. Ciprofloxacin
d. Ofloxacin

26. Which of the following antirheumatic drug acts by increasing extracellular adenosine?

- a. Hydroxychloroquine
c. Methotrexate
- b. Leflunomide
d. Azathioprine

27. Which of the following is true about vasomotor reversal of date in guinea pig?

- a. Stimulation of α_1 followed by α_2 stimulation
b. α_2 stimulation by low dose epinephrine followed by α_1 stimulation
c. Stimulation of α_1 followed by block of α_2 receptors
d. α_2 stimulation by norepinephrine followed by α_1 stimulation!

28. Mechanism of action of oseltamivir (Tamiflu) medicine is?

- a. It blocks hemagglutination on the viral surface
b. It is a neuraminidase inhibitor
c. It is an inhibitor of viral transcription
d. It inhibits viral particle uncoating

29. Mood stabilized with anti-suicidal properties?

- a. Lithium
c. Carbamazepine
- b. Valproate
d. Lamotrigine

30. Empirical treatment of meningococcal meningitis

- a. Ceftriaxone
c. Tigecycline
- b. Cefepime
d. Carbapenems

31. Antidote for fibrinolytic therapy?

- a. Vitamin K
c. Epsilon-aminocaproic acid
- b. Protamine sulphate
d. Alteplase

32. Which of the following is a glycoprotein inducer?

- a. Erythromycin
c. Voriconazole

- b. Ketoconazole
d. Rifampicin

33. DOC for pneumocystis jirovecii prophylaxis in an immunocompromised patient?

- a. Amoxicillin
c. Rifampin

- b. Cotrimoxazole
d. Fluconazole

34. Storage of drugs in tissues is suggested by?

- a. Large apparent Volume of distribution
b. Less excretion in urine
c. Small apparent volume of distribution
d. Excretion in saliva

35. Drug of choice for strawberry vagina is:

- a. Doxycycline
c. Fluconazole

- b. Metronidazole
d. Amoxicillin

36. 1-3 glucan assay is not useful for which of the following?

- a. Pneumocystis Jirovecii
c. Cryptococcus neoformans

- b. Aspergillus fumigatus
d. Candida albicans

37. After digestion of antibody by papain, which of the following fragments will be produced?

- a. Two Fab fragments and one F(ab)₂ fragment
b. One F(ab)₂ fragment and digestion products
c. Two Fab fragments and one FC fragment
d. One F(ab)₂ fragment and one FC fragment

38. All are caused due to staphylococcal toxin except?

- a. Toxic shock syndrome
c. Food poisoning

- b. SSSS
d. Septicemia

39. All are caused by Zika virus except?

- a. Petechial rash
c. Fever with arthralgia

- b. Conjunctivitis
d. GBS

40. A 25 years old patient is suspected to have rabies and a swab is taken from cornea-what is the investigation of choice for diagnosis?

- a. Seller stain for Negri bodies
c. RT-PCR

- b. Direct immunofluorescence
d. RFFIT

41. MHC-2 is not present in which of the following cells?

- a. Erythrocytes
c. Dendritic cells

- b. Macrophages
d. cells p

42. Which of the following receptors is not present on T cells for development?

- a. TDT
c. CD34

- b. PAX-S
d. CD3

43. What is corpora-basal index?

- a. Ratio of breadth of first sacral vertebrae to breadth of base of sacrum X100
b. Ratio of breadth of Base of sacrum to first sacral vertebrae breadth X100

- c. Ratio of breadth of Base of sacrum to breadth of lumbar vertebrae X100
d. Ratio of breadth of lumbar vertebrae to breadth of Base of sacrum X100
44. What is kraissl's lines?
a. Line of fracture in communities practice of bone
b. Line of pressure in a bone due to bullet
c. Line of redness around wound after veiling
d. Relaxed tension lines in skin
45. Jack knife position causes death due to:
a. Burking
b. Traumatic asphyxia
c. Positional asphyxia
d. Wedging
46. Which of the following artery is not ligated in case of an epistaxis?
a. Anterior Ethmoidal artery
b. Maxillary artery
c. Internal carotid artery
d. External carotid artery
47. Visual field defect seen in Optic chiasm damage is?
a. Bitemporal hemianopia
b. Binasal hemianopia
c. Pie in the sky
d. Keyhole defect
48. Which of the following nucleus is involved in the medial rectus palsy?
a. Superior colliculus
b. Inferior colliculus
c. Olivary nucleus
d. Edinger westphal nucleus
49. A wave in jugular venous pulse is:
a. Atrial contraction
b. Passive filling
c. Ventricular contraction
d. Ventricular ejection
50. Complication of stroke which need not be managed urgently?
a. Fever
b. Spasticity
c. Neglect
d. Dysphagia
51. Window period of thrombolysis in case of a stroke patient according to new guidelines is:
a. 1.5 hours
b. 2.5 hours
c. 3.5 hours
d. 4.5 hours
52. CURB3 scoring does not include?
a. BP systolic less than 100 and diastolic less than 40
b. RR > 30 / MIN
c. Confusion and BUN > 7mmol
d. Age 65 years
53. Which symptom below is not a feature of myasthenia gravis?
a. Normal papillary reflex
b. Flaccidity of muscles
c. Absent reflex
d. Ptosis
54. A 28 year old female presents with complaints of fever, headache, vomiting 2nd day postpartum, on examination no neurological deficits observed. What is the most probable diagnosis?
a. Meningitis
b. Subarachnoid haemorrhage

c. Cortical vein thrombosis

d. Migraine

55. A 30 years old male presents to casualty with life threatening hemoptysis, which of the following procedure should not be done?

- a. Bronchoscopy with cauterization
- b. Surgical resection of lung segment
- c. Bronchial artery embolization
- d. Pulmonary artery embolization

56. Which of the following is not a criteria of pyrexia of unknown origin?

- a. Fever of more than 38.3 degree at 2 occasions
- b. Duration greater than or equal to 3 weeks
- c. Absence of immunosuppressed state
- d. No definite diagnosis even after 1 week of inpatient investigations

57. Raised TSH with normal / subnormal T4, diagnosis?

- a. Primary hypothyroidism
- b. Subclinical hypothyroidism
- c. Secondary hypothyroidism
- d. Primary hypothyroidism

58. Fluid management of burns patient who sustained burns 8 hours ago came to the hospital?

- a. 4 ml / kg % burns surface area -1st half in 8 hours & half remaining 16 hours
- b. 5 ml / kg % burns surface area
- c. 4 ml / kg % burns surface area in next 16 hrs
- d. 4 ml / kg % burns surface area in next 24 hrs

59. A boy scalded with hot water, on presentation wound pink, painful. Treatment is:

- a. Paraffin gauze and leave open
- b. Silver sulfadiazine on alternate days
- c. Collagen dressing
- d. Debridement

60. What is the sensitivity of USG for detecting LN metastasis in a patient of Breast carcinoma?

- a. 10 – 20 %
- b. 20 – 30 %
- c. 30 – 40 %
- d. 50 – 60 %

61. A 20 weeks pregnant female presented with a thyroid mass. On FNAC it was suggestive of papillary carcinoma. All of the following can be used as treatment modality except?

- a. Lobectomy
- b. Total thyroidectomy
- c. Hemithyroidectomy
- d. Radioiodine ablation

62. Which of the following is wrong regarding the management of a patient during primary surgery in the trauma bay?

- a. CT is not done in an unstable patient
- b. X-ray chest and pelvis as adjunct to primary survey
- c. Cervical x-ray in primary modality
- d. Chest x-ray in PA view only

63. A patient of breast carcinoma was operated and started on tamoxifen, which of the following is the correct modality of follow up?

- a. Yearly bone scans
- b. LFT at 3 – 6 month interval
- c. 3 monthly clinical examination with yearly mammography
- d. 3 -6 monthly routine checkups

64. Best flap for ant chest wall repair?

- a. TRAM
- b. Pectorals muscle
- c. Serratus anterior
- d. VRAM

65. A 40 – years – old female with a 2 cm nodule in the right breast and HPF proved metastatic nodule in the axilla. Best management is?

- a. Quadrantectomy
- b. Mastectomy with local radiotherapy
- c. Patey s with adjuvant chemotherapy
- d. Halsted s operation with tamoxifen

66. A 32 years old female can for routine PAP smear testing. The PAP report came back as HSIL what is the next step in this case?

- a. Conization
- b. Hysterctomy
- c. Colposcopy and biopsy
- d. HPV DNA testing

67. Which of the following is a who guideline in second stage of labor?

- a. Perform labor in lithotomy position
- b. Give warn compress to the perineum
- c. Manual support to perineum with deflexion of head
- d. Do a routine episiotomy

68. A 25 – years – old female under workup for primary infertility. On hysterosalpingography tere was bilateral corneal block. Which is the next step in management?

- a. Hydrotubation
- b. IVF
- c. Hysteroscopy and laparoscopy guided surgery
- d. Tuboplasty

69. Ureteric injury is most commonly associated with which of the following?

- a. Anterior
- b. Vaginal hysterectomy
- c. Wertheim hysterectomy
- d. Abdominal hysterectomy

70. Which of the following fits into the criteria of severe variable deceleration: variations less than?

- a. 100 beats per minute lasting for 60 seconds
- b. 90 beats per minute lasting for 60 seconds
- c. 80 beats per minute lasting for 60 seconds
- d. 70 beats per minute lasting for 60 seconds

71. Which of the following is the best parameter assess in case of male inferlity?

- a. Motility of sperms
- b. The number of sperm
- c. Quantity of sperm
- d. The morphology of sperm

72. At what cervical dilation is plotting of partogram started?

- a. 3 cm
- b. 4 cm

c. 5 cm

d. 6 cm

73. Endometriotic lesion is due to which hormone effect?

- a. High estrogen
- c. High cholesterol

- b. High progesterone
- d. High levels of prolactin

74. What is the biochemical marker for the condition with spade like fingers, large jaw, acromegaly?

- a. 1 GF 1
- c. TSH

- b. Prolactin
- d. Somatostatin

75. March fracture following stress is seen in which part of the metatarsal?

- a. Head
- c. Shaft

- b. Neck
- d. Base

76. Haglund deformity is seen in which of the following joints?

- a. Knee
- c. Elbow

- b. Wrist
- d. Ankle

77. In polio paralysis band – knee gait is due to weakness of?

- a. Gluteus maximus
- c. Quadriceps

- b. Gluteus medius
- d. Gastrocnemius

78. Which of the following is the most common sequelae of traumatic dislocation of shoulder?

- a. Normal shoulder healing & normal movements
- b. Recurrent dislocation of shoulder
- c. Rotator cuff injury
- d. Subcapsular tendonitis

79. A 30 years old lady comes with a 2 month history of non scarring patchy alopecia on the left side. There was no erythema. The diagnosis is?

- a. Alopecia areata
- c. Telogen effluvium

- b. Trichotillomania
- d. Androgenetic alopecia

80. A patient comes with skin and oral lesions. All are true except.

- a. DSG 3 antibodies
- c. Antibody against hemidesmosomes
- d. IgG type is the most common

- b. DSG 1 antibodies

81. A child had hyperpigmented patch with hair on cheek since birth- The diagnosis is?

- a. Congenital melanocytic nevus
- b. Verrucous epidermal nevus
- c. Lentigines

- d. Melanoacanthoma

82. A 12 years old child comes with exudative lesions with itching interdigital fossa, popliteal fossa and neck. The diagnosis is?

- a. Dermatitis herpetiformis
- b. Pemphigus
- c. Psoriasis
- d. Atopic dermatitis

83. A child presented with a circular 3 cm x 3 cm scaly patchy hair loss with itching in the lesions.

Which of the following should be done for making the diagnosis?

- a. Slit skin smear
- b. KOH
- c. Gram stain
- d. Tzanck smear

84. Mutism and akinesia in a patient who appears awake and even alert is best described as:

- a. Stupor
- b. Oncoid
- c. Twilight
- d. Delirium

85. A child presented with diarrhea without blood and mucus. Skin pinch was positive but goes off within 2 seconds. The child is irritable and drinks eagerly. What is the management?

- a. Ors with Zinc
- b. Home remedies
- c. Antibiotics and ors
- d. IV fluids

86. A 12 years old girl present to the OPD with abdominal colic, nausea, diarrhea and lethargy and headache for last 1 year. Her irritability and anger increased since last few months and she presented to emergency with weakness of lower limbs, what is the diagnosis?

- a. Conversion disorder
- b. Acute intermittent porphyria
- c. Lower limb paralysis
- d. AIDP with migraine

87. Which of the following statements is true regarding Galeazzi fracture dislocation?

- a. Radial collateral ligament tear with interosseous membrane tear with radial shaft fracture
- b. Interosseous membrane tear with triangular fibro-cartilage complex tear and ulnar shaft fracture
- c. Interosseous membrane tear with ulnar shaft fracture
- d. Interosseous membrane tear with triangular fibro-cartilage complex tear and radial shaft fracture

88. Which of the following is true regarding congenital CMV infection?

- a. Diagnosed only by persistent presence of 1 gm antibody after 6 months
- b. It is the most common of non-syndromic sensory neural hearing loss
- c. All babies born are symptomatic
- d. Mothers of developing countries who transmit the infection are usually symptomatic.

89. Which of the following is not seen in fetal alcohol syndrome?

- a. Holoprosencephaly
- b. Microcephaly
- c. Macrocephaly
- d. Thinning of corpus callosum

90. A delivery assistant named Sandhya was posted at PHC and sister in charge asked her to do P/N, after which she wrote that the station is + 1. What is meant by that?

- a. Fetal head A+ level of ischial spine
- b. Just below ischial spine
- c. Above ischial spine in false pelvis
- d. In perineum

91. A Rh negative, primi pregnant lady at 38 weeks, who was ICT negative was given first dose of anti D at 28 weeks, which of the following is true regarding the management after delivery?

- a. Give second dose within 72 hours depending on blood group of baby

- b. No need of second does
- c. Give anti D to baby only
- d. Give anti D to mom within 72 hours irrespective of blood group of baby

92. A 28 year old woman came to DPD with a twin pregnancy. She already has had 2 first trimester abortions and has a 3- years old female child who was born at the end of ninth month of gestation. Which of the following is her accurate representation.

- a. G4P1 + 2 + 0 + 1
- b. G4P1 + 0+2 + 1
- c. G5p1 + 0 + 2 + 1
- d. G5p0 + 1 + 1 + 2

93. A 23 years old female came with complaints of 4 month amenorrhea. The FSH and LH were elevated above the normal value. Thyroid function test were normal. Which is the next step in management?

- a. Do a urine pregnancy test
- b. Give progesterone and stop after 10 days for withdrawal bleeding
- c. Estimate serum estradiol values
- d. Check USG for polycystic ovaries

94. A 15 years old male presented to OPD with tall stature, on examination, he had spade like fingers, frontal bossing, his nose and tongue was also enlarger than normal. What is the next best step diagnosis?

- a. Serum prolactin
- b. Serum insulin like growth factor
- (1GF)
- c. TSH
- d. Serum testosterone

95. A 30 year old female present to OPD with non specific polyarthragia, on indirect immunofluoresence, nucleolar ANA were found to be positive, what can be future presentation all axcept?

- a. 1LD and chronic renal disease
- b. Raynanuds phenomenon and selerodactyly
- c. Recurrent oral and genital ulcers
- d. Decreased salivation and lacrimation

96. A patient presented with ascending flaccid paralysis of both lower limbs. What serum electrolyte abnormality should be checked for immediately?

- a. Serum magnesium
- b. Serum potassium
- c. Serum calcium
- d. Serum sodium

97. A 2 weeks old infant had conjunctivitis, which later developed into respiratory distress and pneumonia Chest x-ray showed bilateral lung infiltrates. WBC count 14,300/dl. Which of the following is the most likely organism?

- a. Chlamydia trachomatis
- b. H. influenza
- c. N. gonorrhoeae
- d. Streptococcus pneumoniae

98. The following are the disease frequencies in a population – Based on the number of cases which of the following is the correct match?

Disease 1: Number of cases last week 4_2 this week 4_3

Disease 2: Number of cases last week 2 and present week 4_2

Disease 3: Number of cases last week 6 and present week

- a. Endemic, epidemic, sporadic
- b. Endemic, sporadic, epidemic

- c. Sporadic, endemic, epidemic
- d. Pandemic, endemic, sporadic

99. A patient was sputum negative for TB, but chest x-ray was suggestive for TB. Which is the next step according to RNTCP?

- a. Liquid culture
- b. CB – NAAT
- c. Line probe assay
- d. None of the above

100. A researcher said he has discovered a new drug which is effective in chronic hypertensives with a p value of < 0.10 . Which of the following is true regarding the same?

- a. The test is 90 % reproducible
- b. 90 % of test results could have occurred by chance
- c. Not more than 10 % of the people benefited by the drug could be due to chance
- d. 90 % of patients will be benefited by giving the drug.

101. A radiotherapist prescribes a new drug combination of chemotherapy and immunotherapy for metastatic melanoma. It prolongs the survival. Which of the following is true in this situation?

- a. Incidence reduces and prevalence increases
- b. Incidence remains the same and prevalence increases
- c. Incidence reduces and prevalence increases the same
- d. Incidence increases and prevalence reduces

102. Rhinosporidium seeberi belongs to?

- a. Fungus
- b. Bacteria
- c. Aquatic protistan protozoa
- d. Virus

103. A 20 years old male with history of fever and lymph nodes and sore throat was suspected to have infectious mononucleosis and was ordered a Paul-Bunnell test. Which of the following is the principle of the test?

- a. Heterophilic antibody test
- b. Neutralisation reaction
- c. Complement mediated cell damage
- d. Agglutination reaction

104. A girl with Acute promyelocytic leukemia was undergoing treatment. She developed tachypnea, fever and pulmonary infiltrates. What is the treatment of choice?

- a. Cytarabine
- b. Dexamethasone
- c. Methotrexate
- d. Doxorubicin

105. A 40 years old man presents with NYHA class 3 dyspnea, creatinine of 2.5 mg %, potassium level of 4.5 meq/l. Which of the following diuretic is contraindicated?

- a. Carvedilol
- b. Spironolactone
- c. Enalapril
- d. Digoxin

106. A patient of CAD with history of MI 2 months back; and diabetes mellitus with LDL 126, HDL 32 and triglycerides 36. Which of the following drug should be given?

- a. Rosuvastatin 10 mg
- b. Atorvastatin 80 mg
- c. Fenofibrate and Rosuvastatin
- d. Fenofibrate

107. A drug X was given continuous IV at a rate of 1.6 mg/min, clearance of X was 640 ml/min. with $t_{1/2}$ of 1-8h. What would be the concentration of drug after achieving steady state in mg/ml?

- a. 0.002 mg
- b. 0.008 mg

c. 2.88 mg

d. 3.25 mg

108. all are idiosyncratic reactions of carbamazepin except?

a. Rash

b. Agranulocytosis

c. Blurred vision

d. Steven Johnson syndrome

109. Patient was administered 200 mg of a drug. 75 mg of the drug is eliminated in 90 minutes. If the drug follows first order kinetics how much drug will remain 6 hours?

a. 6.25 mg

b. 12.5 mg

c. 25 mg

d. 50 mg

110. 70 year old patient has diabetes mellitus and hypertension. He presents with CKD stage 5 and does not want to take insulin. Which antidiabetic drug will you prefer in this patient that does not require dose modification in renal disease?

a. Linagliptin

b. Vildagliptin

c. Glimepiride

d. Repaglinide

111. A 40-year-old patient came with complaints of spikes of fever and difficulty in breathing. Traces of sputum found out vegetations in the heart. The culture showed positive for Burkholderia cepacia. Which of the following is the first line management? Drug of choice for Burkholderia cepacia pneumonia is?

a. Aminoglycosides and colistin

b. Carbapenams and 3rd generation cephalosporins

c. Tigecycline and cefepime

d. Cotrimoxazole with 3rd generation cephalosporin

112. Which of the following is accurate regarding the intracellular iron metabolism in iron deficiency anemia?

a. Transferrin receptor I-iron responsive elements (IRE) increase Transferrin receptor mRNA concentration and synthesis

b. Transferrin receptor I-iron responsive elements (IRE) decrease Transferrin receptor mRNA concentration and increase synthesis

c. Apoferritin mRNA I-iron responsive elements (IRE) decrease and ferritin synthesis

d. Apoferritin mRNA I-iron responsive elements decrease and ferritin

113. Cyclin D1 resistant mantle cell lymphoma marker:

a. Annexin V

b. Fox

c. Sox 11

d. Notch

114. Normally in thymus the T cells are exposed to all the antigens of the body so they can be identified as self and prevent Autoimmunity. Which of the following genes is involved in this process.

a. NOTCH

b. AIRE

c. NOTCH

d. CTLA

115. A 29 years old female with history of polyarthralgia and back ache was investigated. She had nuclear pattern of DNA in immunofluorescence. Which of the following is the best fit in her case?

a. Sclerodactyly, Raynaud's phenomenon, lung fibrosis

b. Raynaud's phenomenon, parotid swelling, Dry mouth

c. Glomerulonephritis, malar rash, oral ulcer

d. Genital ulcer, skin nodules, lung fibrosis

116. An about was brought to the causally with complaints of the rapid heart rate. On examination everything was normal except for episodic tachycardia and occasional extrasystole and amblyopia. What might be the most probable case?

- a. Cannabis
- b. Atropine
- c. Chronic Nicotine poisoning
- d. Cocaine

117. All are caused due to staphylococcal toxin except?

- a. Toxic shock syndrome
- b. SSSS
- c. Food poisoning
- d. Septicemia

118. A 4 years old boy developed progressive and gradual hoarseness of voice over a period of the part weeks. What is the most probable diagnosis?

- a. Acute epiglottitis
- b. Croup
- c. Vocal nodule
- d. Respiratory papillomatosis

119. A 28 years old female was admitted to the causally with history of head trauma in a RTA. Her eyes open to pain, she moans and localizes towards a painful stimulus on her left hand and away from the stimulus on her right hand, both her legs are in extended posture. what is the GCS of the patient?

- a. 5
- b. 7
- c. 9
- d. 11

120. A female patient underwent laparoscopic cholecystectomy followed by which she was discharged the next day. After 3 days the patient presented with complaints of pain abdomen and fever. On USG abdomen there was a subhepatic collection of fluid measuring 5*1cm dimension. What is the next step in the management of the patient?

- a. Pigtail insertion and drainage
- b. ERCP
- c. Re – explore and T – tube insertion
- d. Antibiotic

121. Haglund deformity is seen in which of the following joints?

- a. Knee
- b. Wrist
- c. Elbow
- d. Ankle

122. Which of the following statements is true regarding Galeazzi fracture distocatin?

- a. Radial collateral ligament tear with interosseous membrane tear with radial shaft fracture.
- b. Interosseous membrane tear with triangular fibro – cartilage complex tear and ulnar shaft fracture.
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- d. Interosseous membrane tear with triangular fibro – cartilage complex tear and radial shaft fracture.

ANSWER KEY

1	a	26	c	51	c	76	d	101	b
2	d	27	a	52	a	77	c	102	c
3	d	28	b	53	c	78	b	103	a
4	d	29	a	54	c	79	b	104	b
5	c	30	a	55	d	80	c	105	a
6	c	31	c	56	d	81	a	106	b
7	a	32	d	57	b	82	d	107	a
8	c	33	b	58	c	83	b	108	c
9	a	34	a	59	c	84	a	109	d
10	a	35	b	60	d	85	a	110	a
11	a	36	c	61	d	86	b	111	d
12	c	37	c	62	d	87	d	112	a
13	a	38	d	63	c	88	b	113	c
14	d	39	a	64	b	89	c	114	b
15	c	40	b	65	b	90	b	115	a
16	a	41	a	66	c	91	a	116	c
17	c	42	b	67	a	92	b	117	d
18	d	43	a	68	c	93	c	118	d
19	b	44	d	69	c	94	b	119	c
20	a	45	c	70	d	95	c	120	a
21	b	46	c	71	d	96	b	121	d
22	a	47	a	72	b	97	a	122	d
23	b	48	a	73	a	98	a		
24	a	49	a	74	a	99	b		
25	d	50	b	75	b	100	c		