Comments & Justification

2015

General
1. Oral rehydration solution is made up of glucose and sodium both.
2. Hyperkalemia can occur in Metabolic acidosis.
3. “TCA cycle is amphibolic in nature”
4. Cigarette smokes is injuries to health of lungs
6. 2,4 – dinitrophenol (uncoupler ) leads to thermogenesis.
7. Brown adipose tissue promotes thermogenesis.
8. Diarrhea cause normal anion gap acidosis.

Carbohydrate
9. Flouride is used as preservative for blood sample for glucose estimation.
10. In absence of O2 glycolysis can not continue if there is no formation lactic acid.
11. Uncontrolled diabetes mellitus leads to neuropathy and retinopathy.
12. To maintain blood glucose after meal,Glucokinase play important role than hexokinase.
13. Glycerol is used in enema.
14. Acarbose is used in treatment of diabetes mellitus?
15. Structure of proteoglycan is well suited for its function.
16. During sprint there is extra yeild of ATP from anaerobic acid glycolysis.
17. In acute myocardial infarction,there is elevation of lactic acid in cardiac myocyte.
18. Panreatitis leads to steatorrhea.
19. Sucrose is Non- reducing.
20. Diabetic patients are more prone to Atherosclerotic disease.
21. Fasting blood sample is require for complete lipid profile evaluation.
22. “Alcohol inhibit gluconeogenesis,so it causes hypoglycemia,if person is on starvation.” explain it.
23. Dextran is used as plasma volume expander.
24. G6PD deficient patient are resistant to falciparum malaria.
25. Primaquine administration in G6PD deficient patient can precipitate Hemolytic anaemia.
26. Cataract is more common in diabetes mellitus.
27. Estimation of C-Peptide is better parameter to differentiate IDDM & NIDDM.
28. Chronic alcoholism cause gouty arthritis.
Protein & Amino acid
29. HbS move slower than HbA in alkaline gel electrophoresis.
30. Hydroxyurea is given in treatment of sickle cell anaemia.
31. 2,3 BPG decrease affinity of oxygen for hemoglobin.
32. Phenobarbitone precipitate acute intermittent porphyria.
33. Lead inhibit heme synthesis.
34. Photosensitivity does not occur in acute intermittent porphyria.
35. Glucose is given in treatment of acute intermittent porphyria.
36. Blue fluoroscent light is useful in treatment of neonatal jaundice.
37. Zwitter ions has minimum buffering & solubility capacity
38. Ammonia is toxic to brain.
39. Increase level of Homocysteine increase risk of atherosclerosis
40. Vitamine B12 deficiency cause methy-melonic aciduria.
41. Alpha 1 anti-trypsin deficiency cause emphysema.
42. “Haemoglobin is good blood buffer”.
43. 2-3 BPG concentration is higher in patient of COPD and cyanotic heart disease.
44. Lead poisoning leads to anaemia.
45. Tyrosine becomes an essential amino acid for patients of phenylketoneuria.

Lipid
46. Oxidized LDL is improtant in pathogenesis of atherosclerosis.
47. In cystic fibrosis, Malabsorption of long chain fatty acid occurs, but not short chain and medium chain fatty acids.
48. Eicosanoids are not true hormone.
49. The inhibition of COX-1 can be overcome in endothelial cells but not in platelets while patient is taking low dose Aspirin.
50. LDL is metabolised via the LDL receptor.
51. Liver plays a central role in lipid transport & metabolism.
52. Deficiancy of Lipoprotein lipase results in hypertriglyceridemia
53. Orlistat (pancreatic and hepatic lipase inhibitor)treatment is supplemented with lipid soluble vitamins.
54. Sunflower oil (Omega-3 & Omega-6 fatty acid) decrease risk of atherosclerosis.
55. LDL increase risk of atherosclerosis.
56. Carnitine deficient are advised to take diet, containing medium chain fatty acid.
57. Pre-mature baby can suffer from Acute Respiratory Distress Syndrome.
58. Plant sterol decrease risk of atherosclerosis.
59. Heparin is known as clearing factor
60. Bile salts are detected in the urine of obstructed jaundice

Enzyme
61. “CK-MB is more significant marker than LDH & S.GOT for diagnosis of Myocardial infarction” explain it.
62. Sudden withdrawal of statin drugs can cause hypercholesterolemia.
63. Aspirin cause suicide inhibition.
64. Ethanol is use as antidote in methanol poisoning.
65. Allopurinol is use in gout.

Nutrition & Vitamins
66. Folic acid supplementation is essential in pregnancy.
67. Vitamin- D deficiency does not cause Tetany.
68. Oral iron tablets are advised to take along with glass of lemon water.
69. A single intramuscular dose of Vitamin K is given to All newborns.
70. Pellagra can occur in carcinoid syndrome.
71. Kwashiorkor leads to oedema.
72. “Vitamin C deficiency cause Scurvey” Explain it.
73. Pyridoxal phosphate deficiency can cause pellagra.
74. Iron requirement is increased in pregnancy.
75. Vitamin D is consider as pro-hormone.
76. Pellagra can occur due Tryptophan or pyridoxine (Vitamin B6) deficiency.
77. Haemolysed blood sample is not suitable for potassium estimation.

Molecular
78. “Mutations are always harmful.” True or Flase, Explain it.
79. Decrease activity Telomerase can be a one of the reason of aging.
80. Telomerase inhibitors can be use in treatment of malignancy.
81. UV radiation can cause Xeroderma pigmentosum (skin cancer).
82. HGPRT deficiency (Lesch – Nyhan Syndrome) cause hyperuricemia.
83. Replication is semi-conservative.
84. Allopurinol is use to prevent re-perfusion injury.
85. Methotrexate (Folic acid analogues) is used to treat neoplastic disease.
86. Primaquine administration in G6PD deficient patient can precipitate Hemolytic anaemia.