List of Model Short Question For MBBS

General

1. Fluidic Model of Cell membrane
2. Type and Example of Transport mechanism.
3. Amphibolic role of TCA cycle

Carbohydrate

4. Mucopolysaccharide (Glycosamino glycans)
5. Digestion & absorption of Carbohydrate
6. Lactose intolerance
7. Diagnosis of Diabetes Mellitus
8. Metabolic alteration in Diabetes Mellitus
9. Acute and Chronic complication of Diabetes Mellitus
10. Biochemical explanation of Diabetic Ketoacidosis
11. Define and significant of Glycated (HbA1c) haemoglobin

Lipid

12. Lipid digestion –absorption.
13. Rancidity of Fatty acid
14. Liposome & Micelle
15. Digestion and absorption of lipid
16. Role of Phospholipase A2 of Snake venum in RBC lysis.
17. Function of Phospholipids
18. Role of phospholipid in signal transmission
19. Eicosanoids
20. Formation of Eicosanoids and explain its inhibitor with significance.
21. Significant and Regulation of Cholesterol
22. Risk factor for Atherosclerosis
23. Carnitine shuttle
24. Type and differentiation of Oxidation of Fatty acid.
25. Beta Oxidation of Long Chain Saturated fatty acid.
26. Energy production of saturated even chain fatty acid
27. Type and Function Lipoproteins
28. Metabolism of HDL
29. Metabolism of LDL
30. Lipoprotein a- Interference in coagulation

Protein and Amino acid

31. Zwitter ion
32. Type of Structure of Protein
33. Protein structural –functional relationship.
34. Define Chaperon & Prion protein.
35. Define Protein Denaturation. Give It’s significant & causative factor.

36. Digestion & Absorption of Protein
37. Functional classification of protein.
38. Types , Causes and differentiation by serum and urine examination of Jaundice.

Enzyme

39. Define Co-Enzyme & Co-Factor. Give Example.
40. Diagnostic importance of isoenzyme
41. Enumerate Liver Function Test & Write it's significant.
42. Enumerate Cardiac Function Test & Write it's significant.
43. Write and Explain Factor affecting enzyme activity with example.
44. Type of Enzyme Inhibition. Explain with example.
45. Difference between Competitive inhibition and Non- Competitive inhibition.
46. Explain Difference in Function of Glucokinase and Hexokinase on bases of it's Vmax and Km.

Nutrition & Vitamin

47. Assessment of obesity.
48. Difference between Kwashiorkor & Murasmus
49. Factor affecting Basal Metabolic Rate
50. Clinical significance of Dietary fibre
51. Metabolism, Function and Clinical significance of Vitamin D
52. Effect of Warfarin & Dicoumarol on Vitamin K metabolism

Molecular

53. Type and Watson & Crick Model of DNA
54. Name & role of the component of the DNA replication fork
55. Anticancer Drugs
56. DNA repair mechanism.
57. Define Telomer & Telomerase. It's significant