

## **MBBS Vitamins and Minerals – Biochemistry Chapter Wise Previous Exam Questions conducted by KUHS (Kerala University of Health Sciences)**

1. Describe the sources, RDA, biochemical functions and deficiency manifestations of vitamin D
2. (2+1+5+2=10)
3. Describe the source, dietary requirements, biochemical functions and deficiency manifestations of vitamin A (1+1+4+4=10)
4. Active forms of vitamin A and the deficiency manifestations
5. Biochemical functions and deficiency manifestations of vitamin B12 (3+2=5)
6. Mention the normal level of serum calcium. Explain the hormonal regulation of serum calcium
7. Role of calcitonin in regulation of calcium homeostasis
8. Calcitriol
9. Discuss the co-enzyme role of thiamine and the deficiency disorder
10. Biochemical functions of thiamine
11. Name the coenzyme forms of niacin and write important functions of each one of them.
12. Co-enzyme form of pyridoxine
13. Functions of biotin/ Co-enzyme functions of biotin
14. Biochemical role of vitamins
15. Metabolic role of vitamin C
16. Deficiency of vitamin C
17. Vitamin K cycle/ Functions of vitamin K
18. Function and deficiency manifestations of vitamin E
19. What is provitamin . Give one example
20. Name any two trace elements and mention the biological functions of each of them
21. Clinical features of rickets
22. Diseases related to copper metabolism
23. Mention the copper containing enzymes
24. What is ceruloplasmin
25. Wilson's disease/ Enzyme deficient in Wilson's disease
26. Menke's disease
27. Mention the functions of zinc/ Enumerate the functions of zinc in the body
28. List the functions of selenium
29. Name two selenium containing enzymes
30. Functions of magnesium
31. Name the most important extra cellular cation and write its normal serum level
32. Give the normal serum levels of Calcium and Sodium
33. Mention the normal serum calcium level
34. Describe the Wald's visual cycle
35. List anti vitamins and mention one example
36. Folate antagonists