

B.Sc., PHYSICIAN ASSISTANT
FIRST YEAR - QUESTION BANK
SUBJECT CODE & NAME – 1601 - BIOCHEMISTRY

UNIT NO: 4

TOPIC – VITAMINS, MINERALS AND HORMONES

I. Elaborate On: 10 Marks

REFERENCE – THE TAMILNADU DR. M.G.R MEDICAL UNIVERSITY QUESTION PAPERS

S.No	Questions	Reference (Exam Month and Year)	Bloom's Taxonomy
1.	Describe in detail about Vitamin B complex.	February 2012	Understand
2.	Give an account of sources, chemistry and deficiency manifestations of Vitamin C.	August 2012	Understand
3.	The water soluble vitamins.	August 2013	Understand
4.	Describe in detail about Glycolysis, its energetic and regulation.	February 2014, 2019	Analyze
5.	Describe the chemistry, biochemical functions, daily requirement, sources and deficiency manifestations of Vitamin D.	February 2016	Understand
6.	Discuss Fat soluble Vitamins.	August 2016	Understand
7.	Define and classify Vitamins. Explain the Difference between fat soluble and water soluble vitamins.	August 2017	Analyze
8.	Describe the chemistry, biochemical functions, daily requirement, sources and deficiency manifestations of Vitamin D.	March 2021	Understand
9.	Describe the fat-soluble vitamins in detail.	April 2022	Understand
10.	Write in detail the Metabolism of Glucose.	November 2023	Analyze

II. Write Notes On: 5 Marks

REFERENCE – THE TAMILNADU DR. M.G.R MEDICAL UNIVERSITY QUESTION PAPERS

S.No	Questions	Reference (Exam Month and Year)	Bloom's Taxonomy
1.	Disorders of calcium and phosphorus metabolism.	August 2011	Understand
2.	Thyroid disorders.	February 2012	Understand
3.	Ascorbic acid.	August 2013	Understand
4.	Posterior pituitary hormones.	August 2013	Understand
5.	Functions of thyroxine.	February 2014	Understand
6.	What is basal metabolic rate.	August 2014	Understand
7.	Inborn errors of carbohydrate metabolism.	February 2020	Analyze
8.	Requirement and functions of Vitamin A.	November 2022	Understand

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III. Short Answers On: 3 Marks

REFERENCE – THE TAMILNADU DR. M.G.R MEDICAL UNIVERSITY QUESTION PAPERS

S.No	Questions	Reference (Exam Month and Year)	Bloom's Taxonomy
1.	Sunshine vitamin.	August 2011	Remember
2.	Iron.	February 2012	Remember
3.	Hormonal regulation of blood glucose.	August 2012	Understand
4.	Scurvy.	February 2013	Remember
5.	Insulin.	February 2014	Remember
6.	Balanced diet.	February 2014	Understand
7.	What are the hormones from adrenal medulla.	August 2014	Remember
8.	Mention the function of thyroid hormone in brief.	February 2015	Understand
9.	Name the hormones which regulates glycogen metabolism.	February 2015	Remember
10	Basal metabolic rate.	August 2015	Remember
11	Vitamin D deficiency.	August 2015	Remember
12	Beri –Beri.	February 2016	Remember
13	Name the hormones of anterior pituitary.	February 2016	Remember
14	Calcitonin.	August 2016	Remember
15	Potassium.	August 2016	Remember
16	Properties of Sodium.	February 2017	Understand
17	Insulin.	February 2017	Remember
18	Vitamin C-Sources and its deficiencies.	August 2017	Understand
19	Functions of Folic acid.	August 2018	Understand
20	Pellagra.	February 2019	Remember
21	Name the hormones which regulates glycogen metabolism?	August 2019	Remember
22	Ascorbic acid.	February 2020	Remember
23	Balanced diet.	April 2022	Understand
24	Basal metabolic rate.	April 2022	Remember
25	Name the hormones secreted by pituitary gland.	April 2022	Remember
26	Write about Pellagra.	April 2022	Understand
27	Vitamin C – Sources and its deficiency.	November 2022	Understand
28	Cause and clinical manifestations of Beriberi.	April 2023	Understand
29	Name the hormones which regulate the Glycogen Metabolism.	April 2023	Remember
30	Thyroid hormones.	November 2023	Remember
31	List any four functions of Calcium.	April 2024	Remember