

SECTION A - (2X15=30 marks)

1. Name the aromatic amino acids. Describe the metabolism of any one of them. Indicate the genetic errors in this pathway.
2. Write an essay on Vitamin D, indicating its chemical nature, formation, biochemical roles, physiological functions, deficiency manifestations, sources and requirements.

SECTION B - (8X5=40)

3. Write short note on:

- (a) Metabolic role of glutamine
- (b) Electron transport chain
- (c) Biological value of proteins
- (d) Metabolic acidosis
- (e) Chromatography
- (f) Renal function tests
- (g) Define K_m value and
- (h) Rhodopsin cycle