

APRIL - 1995

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(New Regulations)

Part I

### Paper III - BIOCHEMISTRY

Time: Three hours

Maximum: 90 marks

Answer ALL the questions

Sections A and B should be answered in separate answer papers Section C must be answered separately on the answer sheet

placed inside the question paper booklet as per

the instructions given on the first page

#### SECTION A - (2X15=30 marks)

- Name the aromatic amino acids. Describe the metabolism of any one of them. Indicate the genetic errors in this pathway.
- 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 Km value and
  - (h) Rhodopsin cycle

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