

150-NR

M.D. DEGREE EXAMINATION – APRIL, 2014

BIOCHEMISTRY

Paper-III : Hormones and Nutrition

Time: 3 Hours

Max. Marks:100

Note: Answer all questions

All questions carry equal marks

WRITE SHORT ESSAYS ON THE FOLLOWING:

- 1) Vitamins as coenzymes.
- 2) Folic acid involvement in one carbon metabolism.
- 3) Regulation and metabolic fate of T₃ and T₄ hormones.
- 4) Narrate two functions and two deficiency manifestations of Selenium and Zinc.
- 5) Metabolic effect of Insulin on glycolysis and gluconeogenesis.
- 6) Narrate two functions and two deficiency manifestations of Copper and Iodine.
- 7) Hypervitaminosis A and D.
- 8) Effect of catecholamines on carbohydrate and lipid metabolism.
- 9) Biochemical changes in Thiamine deficiency.
- 10) Glycemic index and its importance.

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