

150-NR

M.D. DEGREE EXAMINATION – OCTOBER, 2014

BIOCHEMISTRY

Paper-III : Hormones and Nutrition

Time: 3 Hours

Max. Marks:100

Note: Answer all questions

All questions carry equal marks

Draw neat diagrams wherever necessary

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WRITE SHORT ESSAYS ON THE FOLLOWING:

- 1) Write about the absorption, transport and storage of iron in the body
- 2) What are Lipotropic factors? Enumerate three lipotropic factors
- 3) Describe the mechanism of action of insulin on target cells
- 4) Interrelation between Folic acid and Vitamin B<sub>12</sub>
- 5) c-AMP as a Second messenger for hormone action
- 6) Name any four B-complex vitamins with their active forms
- 7) Outline the role of Vitamin A in the Visual cycle.
- 8) Why Vitamin D is called Antirachitic factor?
- 9) Role of Copper in health and disease
- 10) Hormonal regulation of serum Calcium levels.

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