

150-NR

M.D. DEGREE EXAMINATION – OCTOBER, 2013

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. Why vitamin K is called antihemorrhagic factor?
2. Vitamin D is classified as hormone. Explain.
3. Describe biochemical role of anti-oxidant vitamins.
4. Enumerate five enzymes which require zinc for their catalytic activity.
5. Phosphatidylinositol as a second messenger for hormone action.
6. Explain why folate and Vitamin B<sub>12</sub> deficiency leads to megaloblastic anaemia.
7. Insulin receptor.
8. Biochemical changes in Kwashiorkor and Marasmus.
9. Two functions and two deficiency manifestations of Copper and Iodine.
10. Three biochemical functions of androgens and estrogens.

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