

150-NR

DR NTR UNIVERSITY OF HEALTH SCIENCES:: VIJAYAWADA

M.D. DEGREE EXAMINATION – NOVEMBER, 2016

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) Protein energy malnutrition
  - 2) Role of Biotin in Carboxylation reactions
  - 3) Mechanism of action of hormones with calcium as second messenger
  - 4) Biochemical basis of cystic fibrosis
  - 5) Role of estrogen in osteoporosis
  - 6) Hormonal regulation of glycogen metabolism
  - 7) Biochemical basis of conditions associated with iron overload
  - 8) Dietary fibers
  - 9) Therapeutic uses of vitamin A and its derivatives
  - 10) Role of pyridoxine in amino acid metabolism
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