

D.M. – ENDOCRINOLOGY
Paper – I BASIC SCIENCES OF ENDOCRINOLOGY
Q.P.Code: 161461

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. G Protein – coupled receptors and their role in disease pathogenesis.
2. Describe the synthesis and the factors governing the secretion of Arginine Vasopressin (AVP).

II. Write notes on:

(10X7=70)

1. Aberrant ACTH receptors.
2. The role of transcription factors in the development of the pancreas.
3. The role of Parathyroid related peptide (PTHrP) in health and disease.
4. Describe the anatomy of the Hypothalamus.
5. Somatostatin receptors.
6. Inhibins and Activins.
7. The mechanism of insulin resistance.
8. Ghrelin and Growth Hormone secretagogues (GHS).
9. Genetic syndromes involving pituitary tumors.
10. Evaluation of a patient with hypocalcaemia.
