

DIPLOMA IN DIABETOLOGY (D.DIAB) EXAMINATION
APPLIED BASIC MEDICAL SCIENCES IN DIABETOLOGY

Q.P.Code: 343071

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the structure of insulin and discuss the stages of insulin biosynthesis, processing and its regulation.
2. Discuss in detail the entero-insular axis and the role of incretins in glucose metabolism.

II. Write notes on:

(10 x 7 = 70)

1. Viruses and Type 1 diabetes.
2. Maturity onset diabetes of the young (MODY).
3. Diabetes in chronic pancreatitis.
4. Glucagon in Diabetes.
5. Endothelial dysfunction in Diabetes.
6. Pathophysiology of HHNKC. (Hyperosmolar Hypoglycemic Non Ketotic Coma).
7. Kimmelstiel-Wilson disease.
8. PPAR Gamma agonists.
9. Fructosamine in diabetes.
10. Pathogenesis of diabetic neuropathy.
