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. Discuss the lipogenesis-lipolysis cycle in the adipocyte and briefly mention the regulation of NEFA in the plasma.

2. Describe the anatomy of the Islets of Langerhans with a brief note on its non-beta cell functions.

II. Write notes on: **(10 x 7 = 70)**

1. Adipokines.
2. IAPP (Islet Amyloid PolyPeptide)
3. Prevention of Type 1 diabetes.
4. Mitochondrial diabetes.
5. Beta cell defects in obesity.
6. Causes of insulin resistance.
7. Histology of islets in Type 2 diabetes.
8. Glucokinase.
9. RCAD syndrome (Renal cysts and Diabetes)
10. Alpha glucosidase inhibitors.

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