

**DIPLOMA IN DIABETOLOGY (D.DIAB) EXAMINATION**

**RECENT ADVANCES IN DIABETOLOGY**

*Q.P.Code: 343073*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss the current concepts about the various pathophysiological factors involved in causing endothelial dysfunction in diabetes.
2. Classify and discuss the mechanism of action, indications and side effects of newer oral antidiabetic drugs. Briefly discuss the potential harmful effects of gliptins.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Uncoupling proteins in BAT (Brown Adipose Tissue).
2. ER Stress and diabetes.
3. Non-pharmacological treatment for diabetic neuropathy.
4. Genetic counselling in diabetes mellitus.
5. Edmonton protocol.
6. ADVANCE trial.
7. Metformin and cancer.
8. CGMS (Continuous Glucose Monitoring System) in diabetes management.
9. Saroglitazar.
10. Long acting insulin analogues.

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