

(LI 1558)

APRIL 2016

Sub. Code:3071

**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 pathogenesis and the natural history of Type 2 diabetes mellitus with a note on beta cell function in healthy state and in diabetes.
2. Discuss the epidemiology, clinical presentation and various environmental risk factors for Type 1 diabetes mellitus.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Classification of Type 1 diabetes mellitus.
2. Tropical diabetes.
3. Second messengers in regulation of insulin secretion.
4. Candidate genes in Type 1 diabetes.
5. Steroid induced diabetes.
6. Acromegaly and diabetes.
7. Autoimmune polyglandular syndromes.
8. IGF – 1.
9. Renal Glycosuria.
10. Lawrence syndrome.

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