

[LI 0416]

APRIL 2016

Sub. Code: 2001

**FELLOWSHIP IN CLINICAL DIABETOLOGY EXAMS
FINAL YEAR
PAPER I - BASIC SCIENCES AND LABORATORY IN DIABETES**

Q.P. Code : 232001

Time : Three hours

Maximum : 100 Marks

I. Elaborate on :

(2 x 20=40)

1. Discuss the regulation of glucose metabolism in the Liver and briefly mention the drugs which act on it.
2. Discuss the organizational structure of Islet Beta Cells and their functional significance.

II. Write notes on:

(10 x 6 = 60)

1. Glucagon
2. Lipoprotein (a)
3. Prevalence of Type 1 Diabetes
4. Leptin
5. Insulin receptors
6. Kimmelstein Wilson nodules
7. Islet Amyloid Polypeptide
8. First phase Insulin release
9. Crinophagy
10. Malignant Otitis externa
