

[LG 0415]

APRIL 2015

Sub. Code: 2001

**FELLOWSHIP IN CLINICAL DIABETOLOGY EXAMS
FINAL YEAR
(Candidates admitted 2012-2013)
PAPER I - BASIC SCIENCE AND LABORATORY IN DIABETES**

Q.P. Code : 232001

Time : Three hours

Maximum : 100 marks

I. Elaborate on :

(2 x 20=40)

1. Describe the Krebs's citric acid cycle with a note on its regulation.
2. Discuss the pathophysiology of Type two Diabetes and describe the factors regulating insulin resistance.

II. Write notes on:

(10 x 6 = 60)

1. Insulinitis
2. Autoantibodies in diabetes
3. Adiponectin
4. IGF
5. Entero-insular axis
6. Glucotoxicity
7. Islets of Langerhans
8. Exocrine pancreatic function tests
9. Benedicts test for glucose
10. C-Peptide
