

[LF 1014]

OCTOBER 2014

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 components of Islets of Langerhans with its organizational structure.
2. Discuss the phases of glucose homeostasis and its metabolism in the fed state and starvation.

II. Write notes on:

(10 x 6 = 60)

1. Leptin in Diabetes
2. OGTT
3. Lipotoxicity
4. Genetics of MODY
5. IGF Receptors
6. Insulin structure
7. Rothera's Test for ketones
8. SMBG
9. Advanced glycation end products
10. Kimmelstiel-Wilson lesion
