

[LK 0517]

MAY 2017

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. Mention about pathogenesis of ketogenesis and discuss about various acid base and electrolyte disturbances in a patient with DKA.
2. Discuss in detail about absorption of carbohydrates and Glucose Homeostasis.

II. Write notes on:

(10 x 6 = 60)

1. C-Peptide.
2. Reverse cholesterol transport.
3. Glycogen.
4. IGF (Insulin like Growth Factor).
5. Oral glucose tolerance test.
6. LADA (Latent Auto Immune Diabetes).
7. Counter regulatory hormones.
8. Animal models for Type-2 Diabetes
9. Incretin hormones.
10. Viruses and Type-1 Diabetes.
