

Term End External Examination 1<sup>st</sup> Semester (Session-Feb 2025)

Subject: Skill Enhancement Course

Course No and Title: BCH124S/ Diabetes Educator-I

Time: 1.15 hours      Max Marks:50      Min. Marks:20

Section A: Objective Type Questions

**Q1. Choose the appropriate Answer: (4x1.5=06)**

**i. Insulin is secreted by:**

- A Adrenal gland      B Pituitary gland  
C Islets of Langerhans      D Thyroid gland

**ii. Glucose is absorbed by the cells through transporters called as:**

- A RTKs      B GLUT  
C FLUT      D IGF

**iii. The test for checking plasma glucose concentrations over the previous 8-10 Weeks is**

- A Hemoglobin      A1c      B Oral glucose tolerance test (OGTT)  
C Fructosamine test      D Fasting plasma glucose conc. (FPG)

**iv. Testing your blood sugar helps you:**

- A Change your meals, B Identify high and low blood activity, or medicine to sugar levels before you have keep your blood sugar levels in right range. serious problems.  
C Feel better because your D All of the above blood sugar is better controlled.

Section-B: Descriptive Type Questions (Short Type)

**Q2: Answer all the Questions (4 x 4 =16)**

- i.** Glucagon and Insulin are antagonistic in action. Explain?  
**ii.** Mention the major hormones that control metabolism?

**iii.** What are the aims of Diabetes care?

**iv.** What are the various symptoms of Diabetes mellitus?

Section – C: Descriptive Type Questions (Medium Type)

**Answer all the questions: (2 x 7=14)**

**Q3.** Explain the mechanism through which insulin helps in the uptake of glucose by the cells from blood.

**OR**

Define insulin. Explain the structure of insulin and it's role in the body.

**Q4.** Explain in brief any three diagnostic tests used to examine Diabetes mellitus.

**OR**

How does the exercise and proper diet plan help people with Diabetes?

Section – D: Descriptive Type Questions (Long Type)

**Answer any one of the following: (1 x 14=15)**

**Q5.** What is Diabetes mellitus? Describe the classification and Risk factors for Diabetes Mellitus.

**Q6.** What are the roles and responsibilities of a Diabetes educator? Add a short note on the scope for Diabetes educator as a profession.