

**THE TAMIL NADU DR.MEDICAL UNIVERSITY**

**(D.DIAB. 0522)**

**MAY 2022**

**Sub. Code: 3071**

**DIPLOMA IN DIABETOLOGY (D.DIAB) EXAMINATION**  
**APPLIED BASIC MEDICAL SCIENCES IN DIABETOLOGY**

*Q.P. Code: 343071*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss in detail the pathogenesis and various systemic complications of Obesity.
2. Discuss in detail the mechanism of action and various types of insulin. Describe the indications, regimens and complications of insulin therapy.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Hygiene Hypothesis.
2. Brown Adipose Tissue.
3. Alpha cells of Pancreas.
4. Albuminuria.
5. Glucose Transporters.
6. Mucor mycosis.
7. Cheiroarthropathy.
8. Heart Failure in Diabetes.
9. Lactic Acidosis.
10. C-Peptide.

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