

**DIPLOMA IN CLINICAL PATHOLOGY (DCP) EXAMINATION**

**BIOCHEMISTRY AND MICROBIOLOGY**

*Q.P. Code: 343009*

**Time: Three Hours**

**Maximum : 100 Marks**

**(ANSWER SECTION A & B SEPARATELY)**

**SECTION - A**  
**(BIOCHEMISTRY)**

**I. Elaborate on:** (1 x 15 = 15)

1. What is the normal fasting and postprandial blood sugar levels? Describe in detail about the Regulation of blood sugar in our body.

**II. Write notes on:** (5 x 7 = 35)

1. Homocystinurias.
2. Glycated hemoglobin.
3. Tumour markers.
4. Enzymes increased in Myocardial Infarction.
5. Infertility profile in females.

**SECTION - B**  
**(MICROBIOLOGY)**

**I. Elaborate on:** (1 x 15 = 15)

1. Discuss the pathogenesis, laboratory diagnosis and prevention of Pulmonary Tuberculosis.

**II. Write notes on:** (5 x 7 = 35)

1. Non-sporing anaerobes.
2. Type I Hypersensitivity reactions.
3. Prophylaxis of Rabies.
4. Laboratory diagnosis of Mycetoma.
5. Opportunistic parasitic infections in Human Immuno Deficiency Virus infection.

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