

**M.D. (SIDDHA) DEGREE EXAMINATION  
FIRST YEAR  
BRANCH V & VI**

**PAPER IV – UYIRVEDHIYAL AND NUNNUYIRIYAL  
(Biochemistry and Microbiology)**

*Q.P. Code :322149*

**Time: Three Hours**

**Maximum : 100 Marks**

**SECTION – A**

**I. Elaborate on:**

**(1 x 20 = 20)**

1. Write an essay on Transamination, Deamination and Urea cycle.

**II. Short Notes on:**

**(5 x 6 = 30)**

1. Write a note on Obesity.
2. Importance of Nucleotides.
3. Body Fluid Compartments.
4. Functions of Progesterone.
5. Disorders of Fluorine.

**SECTION – B**

**I. Elaborate on:**

**(1 x 20 = 20)**

1. Explain in detailed about the Immunoglobulins.

**II. Short Notes on:**

**(5 x 6 = 30)**

1. Explain the materials and methods involved in identification of Viruses.
2. Give an account of *Mycobacterium tuberculosis*.
3. Explain the diagnostic procedure of *Salmonella* infection.
4. Differentiate disinfectant and antiseptics.
5. Classify the bacteria based on structure.

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