

**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. Describe in detail chemistry of Blood Coagulation and write Short notes on bleeding disorders.

**II. Short Notes on:** (5 x 6 = 30)

1. Plasma Proteins.
2. Balanced Diet.
3. Glucagon.
4. Selenium.
5. Water Balance.

**SECTION – B**

**I. Elaborate on:** (1 x 20 = 20)

1. Explain the immunological phenomena of allergy. Describe in detail about atopy and its clinical manifestations.

**II. Short Notes on:** (5 x 6 = 30)

1. Write a short note on Leptospirosis.
2. Enumerate immune cells. Explain T – cell.
3. Write a short note on Complement system.
4. How do you cultivate viruses? Emphasis on tissue culture.
5. Draw the diagram of a bacterial spore. Classify bacteria based on spore shape and position.

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