

[LO 2149]

MAY 2019

Sub. Code: 2149

**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. Give a detailed account on Gluconeogenesis.

**II. Short Notes on:**

**(5 x 6 = 30)**

1. Write a note on Fatty Liver.
2. Describe briefly about clinically important enzymes.
3. Explain the functions of Phosphorus.
4. Functions of Pituitary hormones.
5. Biochemical Functions of Vitamin K.

**SECTION – B**

**I. Elaborate on:**

**(1 x 20 = 20)**

1. Give a detailed account on Microbial isolation technique and culture media.

**II. Short Notes on:**

**(5 x 6 = 30)**

1. Explain the different types of Infection and add a note on Normal flora.
2. Draw the structure of Immunoglobulin (IgG) with illustration.
3. Comment on Leptospirae.
4. Give an account on urinary tract infection causing microorganisms.
5. Explain the different types of Hepatitis Virus.

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