

[LD 513]

SUB CODE : 2149

M.D. (SIDDHA) DEGREE EXAMINATION – OCTOBER 2013

FIRST YEAR

(Common to Branch V & VI)

PAPER IV – UYIR VEDHIYAL & NUNNUYIRIYAL

(Biochemistry & Microbiology)

Q.P.Code : 322149

Time : 3 hours

Maximum : 100 marks

Answer Section A and B Separately

Section –A

I. Long Essay : (1x20=20)

1. Integrate carbohydrate, protein and fat metabolism with reference to TCA cycle with suitable figure.

II. Short Notes: (5x6=30)

1. Write the names, functions and disorders of adrenal cortical hormones.
2. Write a note on water balance, electrolyte balance and acid-base balance and its disorders.
3. Bio-chemical functions and disease states of sodium and potassium.
4. Write the enzyme pattern in diseases.
5. What are the biochemical functions of folic acid and vitamin B12 and also add a note on their interrelationship.

Section –B

I. Long Essay : (1x20=20)

1. Explain in detailed about the bacterial growth and nutritional requirement for growth with suitable growth curve pattern.

II. Short Notes: (5x6=30)

1. Explain the materials and methods involved in identification of Bacteria.
2. Give an account on Mycobacterium tuberculosis.
3. Explain the diagnostic procedure of Vibrio cholera infection.
4. Differentiate disinfectant and antiseptics.
5. Classify the virus based on nucleic acid content.
