

[LB 508]

Sub. Code : 2111

M.D. (SIDDHA) DEGREE EXAMINATION – OCTOBER 2012

First Year

(Common to Branch III & Branch IV)

Paper II — ADIPPADAI ARIVIYAL — II

Q. P. Code : 322111

Time : 180 minutes

Maximum : 100 marks

Answer ALL questions in the same order.

Answer Section A, B and C separately

SECTION A — (39 marks)

UYIR VEDHIYAL (BIO CHEMISTRY)

I. Elaborate on :	Pages	Time	Marks
1. Write an essay on the Biosynthesis, mechanism of action, Biochemical functions, abnormalities and Laboratory investigation of thyroid hormones.	(Max.) 11	(Max.) 25 min.	(Max.) 15
II. Write notes on :			
1. Types, chemical composition and functions of Mucopolysaccharides.	4	10 min.	6
2. Types and functions of Phospholipids	4	10 min.	6
3. The Watson and Crick Model of DNA structure	4	10 min.	6
4. Biochemical functions, Transport and deficiency manifestations of Iron.	4	10 min.	6

SECTION B — (33 marks)

NUN UYIRIAL (MICROBIOLOGY)

I.	Elaborate on :	Pages	Time	Marks
1.	List the Hepatotropic viruses. Discuss in detail about the morphology, pathogenesis and laboratory diagnosis of Hepatitis B virus.	(Max.) 11	(Max.) 25 min.	(Max.) 15
II.	Write notes on :			
1.	Opportunistic mycosis	4	10 min.	6
2.	Chemical agents used in sterilization	4	10 min.	6
3.	Laboratory diagnosis of Malaria	4	10 min.	6

SECTION C — (28 marks)

NUNNUYIR NOI IYAL (PATHOLOGY)

I.	Elaborate on :	Pages	Time	Marks
1.	Define Neoplasm. Elaborate on the differences between Benign tumours and Malignant tumours. Give examples.	(Max.) 11	(Max.) 20 min.	(Max.) 10
II.	Write notes on :			
1.	Packed Cell Volume (PCV)	4	10 min.	6
2.	Pathways of spread of malignant tumours.	4	10 min.	6
3.	Define Infarct. What are the morphologic types of infarct? Give examples.	4	10 min.	6