

APRIL - 1998

SV 254

M.D. SIDDIQI) DEGREE EXAMINATION
first year

Branch III - SIRAPPU MARUTTHUVAM

Branch IV - KUZHANDNAI MARUTTHUVAM

Paper II - ADIPPADAI ARIVIYAL II

Time: Three hours

Max. marks:100

Answer All Questions

Answer Sections A and B in separate answer books.

SECTION A - UYIR VEDHIYAL (50 marks)

1. (a) Describe the digestion and absorption of lipids in the intestine. (10)
Outline the steps of the urea cycle. (10)
2. (a) What are vitamins? Describe the functions and deficiency manifestations of any two vitamins of B complex. (10)
(b) What is BMR? Discuss the factors affecting BMR. (5)
3. Write briefly on any THREE:
(a) Substrate phosphorylation
(b) Any two tropic hormones
(c) Specific dynamic action
(d) Essential fatty acids. (3x5=15)

SECTION B - NUNNUYIR IYAL & NUNNUYIR NOI IYAL (50 marks)

- (a) Describe the pathogenesis and laboratory diagnosis of typhoid. (10)
- (b) Give a brief account of urinary tract infections. (10)
5. Write briefly on:
(a) Influenza virus
(b) Staphylococcus
(c) Wet air oven. 3x5=15

6. Write briefly on:
Fimbriae
Histoplasmosis
Tetanus.

(3x5=15)

OCTOBER - 1999

[KA 508]

M.D. (Siddha) DEGREE EXAMINATION.

First Year

Branch III — Sirappu Maruthuvam

(Common to Branch IV — Kuzhanthai Maruthuvam)

Paper II — ADIPPADAI ARIVIYAL — II

Time : Three hours

Maximum : 100 marks

Answer each Section separately.

SECTION A — (50 marks)

(UYIR VEDHIYAL)

Answer ALL the questions.

1. (a) Describe the steps of β -oxidation cycle of fatty acids. (10)
(b) Write the chemistry and function of Insulin. (10)
2. (a) Name four clinically important Serum enzymes and explain their significance. (10)
(b) Discuss how iron is absorbed from the intestines. (5)
3. Write notes on any THREE : (3 × 5 = 15)
(a) Addison's disease.
(b) Von Gierke's disease
(c) Essential fructosuria
(d) Isozymes of LDH.

SECTION B — (50 marks)

(NONNUYIR IYAL & NONNUYIR NOI IYAL)

4. (a) What is an Exudate. Discuss the various components and functions of exudate. (10)
(b) Name the causative agent of AIDS. Describe the laboratory diagnosis of AIDS. (10)
5. Write briefly on : (3 × 5 = 15)
(a) Cardiac oedema
(b) Fatty change in liver
(c) Spread of cancer.
6. Write briefly on : (3 × 5 = 15)
(a) Laboratory diagnosis of Tuberculosis
(b) Delayed Hyper sensitivity
(c) Tetanus.

APRIL - 2000

[KB 508]

M.D. (Siddha) DEGREE EXAMINATION

First Year

(New Regulations)

Branch III — Sirappu Maruthuvam

Branch IV — Kuzhandhai Maruthuvam

Paper II — ADIPPADAI ARIVIYAL — II

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Answer Section A, B and C in separate answer books

SECTION A — (35 marks)

(UYIR VEDHIYAL)

- 1 Classify Enzymes. Give example for each (7)
- 2 What are the hormones secreted by the thyroid and parathyroid glands? Outline their functions.(7)
- How are serum proteins separated by electrophoresis. (7)
- 4 Draw and explain Urea cycle in detail (7)
- 5 Write the metabolism of Iron (7)

SECTION B — (35 marks)

(NUNNUYIRIYAL)

1. Classify Arbo viruses.

Describe the pathogenesis, lab. diagnosis and prophylaxis of Japanese B encephalitis virus infection.

(5 + 10 = 15)

- 2 Write short notes on :

- (a) Flagella
- (b) Complements
- (c) Gas gangrene
- (d) Nosocomial infection.

(4 × 5 = 20)

SECTION C — (30 marks)

(PATHOLOGY)

1. Define Necrosis. Discuss the morphology of a necrotic cell and the various types of necrosis with examples. (15)
- 2 Write short notes on the following : (3 × 5 = 15)
 - (a) Fatty change
 - (b) Thrombosis
 - (c) Chemical mediators in inflammation

OCTOBER - 2000

[KC 508]

M.D. (SIDHA) DEGREE EXAMINATION

First Year

(New Regulations)

Branch III — Sirappu Maruthuvam

Branch IV — Kuzhandhai Maruthuvam

Paper II — ADIPPADAI ARIVIYAL — II

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Answer Section A, B and C in separate answer books.

SECTION A — (35 marks)

(UYIR VEDHIYAL)

1. Discuss the conversion of glucose in the tissue upto the stage of pyruvic acid. (7)
2. Explain the structure of DNA. (7)
3. Name the plasma proteins Give the important functions of plasma proteins. (7)
4. Outline the physiological function and bio-chemical effects of calcium. (7)
5. Describe, the chemistry, functions and deficiency of Vitamin A. (7)

SECTION B — (35 marks)

(NUNUYIRIYAL)

6. Classify vibrio.

Discuss in detail about the pathogenesis, lab diagnosis and prophylaxis of Cholera. (5 + 10 = 15)

7 Write short notes on : (4 × 5 = 20)

- (a) Disinfection
- (b) Heterophile antigen
- (c) MMR vaccine
- (d) Opportunistic mycoses.

SECTION C — (30 marks)

(PATHOLOGY)

8. Define Neoplasia. Discuss the characters of a malignant tumour. Enumerate the differences between the benign and malignant tumours. (15)

9. Write short notes on the following (3 × 5 = 15)

- (a) Calcification
- (b) Embolism
- (c) Phagocytosis.