AUGUST 2007

[KR 1011] **Sub. Code : 4702**

B.Sc. (Nursing) DEGREE EXAMINATION.

New Regulation for the candidates admitted from 2006–07 onwards

First Year

Paper II — NUTRITION AND BIOCHEMISTRY

Time : Three hours Maximum : 75 marks

Descriptive : Two hours and forty minutes Descriptive : 55 marks

Objective : Twenty minutes Objective : 20 marks

Answer ALL questions.

SECTION A

(NUTRITION)

I. Essay :

1. Define BMR and explain the factors affecting BMR in detail. (15)

II. Short notes : (3 × 5 = 15)

(a) Goitre

(b) Pellegra

(c) Classification of amino acids.

SECTION B

(BIOCHEMISTRY)

I. Essay Question :

1. Classify lipids. Write in detail about the functions of phospholipids. (15)

II. Short notes : (2 × 5 = 10)

(a) Glucose Tolerance Test

(b) Vitamin C.

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FEBRUARY 2008

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First Year

Paper II — NUTRITION AND BIOCHEMISTRY

Q.P. Code : 664702

Time : Three hours Maximum : 75 marks

Descriptive : Two hours and forty minutes Descriptive : 55 marks

Objective : Twenty minutes Objective : 20 marks

Answer ALL questions.

Answer Section A and Section B Separately.

SECTION A

(NUTRITION)

I. Essay :

Write the RDA for a pregnant woman and plan a day's menu for a pregnant woman who is suffering from anaemia. (15)

II. Short notes : (3 × 5 = 15)

(a) Scurvy.

(b) Anthropometric measurement.

(c) Principles of meal planning.

SECTION B

(BIOCHEMISTRY)

I. Essay :

What is the normal fasting blood glucose level? Explain how the blood glucose level is regulated. (15)

II. Short notes : (2 × 5 = 10)

(a) Essential amino acid.

(b) Enzymes of clinical importance.

August-2008

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Q. P. Code : 664702

Time : Three hours Maximum : 75 marks

Answer ALL questions.

Answer Section A and Section B separately.

SECTION A

(NUTRITION)

I. Essay : (1 × 15 = 15)

(1) Explain the principles and methods of cooking and serving

II. Write short notes on : (3 × 5 = 15)

(1) Iron.

(2) Food groups.

(3) Assessment of nutritional status.

III. Short answer questions : (5 × 2 = 10)

(1) List out the basic five food group plan.

(2) List out two functions of carbohydrates.

(3) Enlist two properties of fat.

(4) List two functions of proteins.

(5) Write the classification of proteins.

SECTION B

(BIOCHEMISTRY)

I. Essay : (1 × 15 = 15)

(1) Describe the process of glycolysis. Explain how many ATP molecules are formed in anaerobic and aerobic glycolysis.

II. Write short notes on : (2 × 5 = 10)

(1) Describe the deficiency manifestation of thiamine.

(2) Phenylketonuria.

III. Short answer questions : (5 × 2 = 10)

(1) Name two reducing disaccharides.

(2) Name the two conditions in which blood sugar level is raised.

(3) Name the clearance tests used to assess the renal function.

(4) Name the antiegg white injury factor and which vitamin is inhibited from absorption.

(5) Classify the enzymes.