

B.Sc. 4th Semester (Honours) Examination, 2019**NUTRITION****(Diet Therapy I)****Paper : 402/C-9****Course ID : 42312****Time: 1 Hour 15 Minutes****Full Marks: 25**

*The figures in the margin indicate full marks.
Candidates are required to give their answers in their own words
as far as practicable.*

1. Answer *any five* questions: 1×5=5
- (a) Define diet therapy.
 - (b) What is Elemental diet?
 - (c) Define post-operative diet.
 - (d) What is atonic constipation?
 - (e) What do you mean by Full fluid diet?
 - (f) Name the causative agents of peptic ulcer.
 - (g) What do you mean by routine hospital diet?
 - (h) What is TPN?
2. Answer *any two* questions from the following: 5×2=10
- (a) Write a short note on— 2½+2½=5
 - (i) Dumping Syndrome
 - (ii) Refeeding Syndrome
 - (b) What is spastic constipation? What is the preventive measure of constipation? 2+3=5
 - (c) What is reducing diet? Why obese persons are more susceptible to diabetes? 2+3=5
 - (d) State the full form of GERD. What are the reasons behind it? What should be your advice as a Nutritionist to a patient suffering from GERD? 1+2+2=5
3. Answer *any one* of the following: 10×1=10
- (a) Write the difference between enteral and parenteral feeding. Write the dietary management of peptic ulcer patients. What do you mean by Sippy's diet? 3+5+2=10
 - (b) "Dietary fibre is the most important factor for the prevention and treatment of constipation."— Justify the statement. Write the role of probiotics in prevention of diarrhoea. 5+5=10

M.Sc. 4th Semester (Honours) Practical Examination, 2019

NUTRITION

(Diet Therapy I Practical)

Paper : 402/C-9P9

Course ID : 42322

Time: 2 Hours

Full Marks: 15

The figures in the margin indicate full marks.

*Candidates are required to give their answers in their own words
as far as practicable.*

1. Prepare a diet (as specified on the supplied lottery slip) and present the diet properly.
Calculate the amount of nutrients in the prepared diet as indicated in the lottery slip.
Write the nutritional significance of this diet. (4+2)+3+1=10
 2. Viva voce. 3
 3. Laboratory notebook. 2
-

M.Sc. 4th Semester (Practical) Examination, 2019

NUTRITION

(Diet Therapy I Practical)

Paper : 402/C-9P9

Course ID : 42322

General Instructions for Practical Examination.

1. Diet may be prepared in group but presentation must be in individual.
 2. Marks division.
 - a. For diet preparation Properly 4
 - b. For presentation of diet 2
 - c. Calculation of nutrients 3
 - d. Nutritional significance 1
 3. Necessary ingredients and equipments for the diet preparation should be supplied by Examination Centre.
 4. Necessary equipments for the diet presentation should be brought by the students.
-

SH-IV/Nutrition/403/C-10/19

B.Sc. 4th Semester (Honours) Examination, 2019**NUTRITION****(Diet Therapy II)****Paper : 403/C-10****Course ID : 42313****Time: 1 Hour 15 Minutes****Full Marks: 25**

*The figures in the margin indicate full marks.
Candidates are required to give their answers in their own words
as far as practicable.*

1. Answer *any five* questions: 1×5=5
 - (a) What is FIGLU test?
 - (b) What do you mean by Impaired Glucose Tolerance?
 - (c) Write down the main difference between obstructive and infective jaundice.
 - (d) What is fatty liver?
 - (e) Explain the term Ketonuria
 - (f) What do you mean by foam cell?
 - (g) How is oxalate stone formed?
 - (h) In between systolic and diastolic pressure which one is more risky for heart failure?

2. Answer *any two* questions from the following: 5×2=10
 - (a) Write down the diet of diabetic patient from the point of dailey protein. What are the causes of 3Ps in diabetes? 2½+2½=5
 - (b) Enumerate the characteristics of nutritional anaemia. Write down the special advantages of the combination of Vitamin C and Iron rich food. 3+2=5
 - (c) Write the relation of alcohol and food toxins with liver cirrhosis. What do you mean by SGOT and SGPT? 3+2=5
 - (d) Differentiate between Nephritis and Nephrosis. Prepare the therapeutic diet of a renal patient from the view point of sodium, potassium and phosphorus. 2+3=5

3. Answer *any one* of the following: 10×1=10
 - (a) Why is diastolic pressure increased? Write down the mechanism of sodium induced hypertension. “Unsaturated fatty acids and antioxidants have important role in management of atherosclerosis”— Justify the statement. 2+4+4=10
 - (b) “Genetic factor is the only responsible factor for development of diabetes mellitus.” — What is your point of view on this above mentioned statement? Why is HbA_{1c} diagnostic test appropriate for blood sugar estimation? Write a short note on “Cholelithiasis”. 4+3+3=10

SH/Nutrition/403/C-10/(PR)/19

B.Sc. 4th Semester (Honours) Practical Examination, 2019

NUTRITION

(Diet Therapy II Practical)

Paper : 403/C-10P10

Course ID : 42323

Time: 2 Hours

Full Marks: 15

*The figures in the margin indicate full marks.
Candidates are required to give their answers in their own words
as far as practicable.*

1. Prepare a therapeutic diet chart with menu planning of a patient (as specified on the supplied lottery slip).
Write a comment on the diet prepared by you. 6+3+1=10
 2. Viva voce 3
 3. Laboratory Notebook 2
-

SH-IV/Nutrition/405/SEC-2/PR/19**B.Sc. 4th Semester (Honours) Practical Examination, 2019****NUTRITION****(Practical Approach in Food and Nutrition Practical)****Paper : 405-SEC-2****Course ID : 42325****Time: 5 Hours****Full Marks: 40**

*The figures in the margin indicate full marks.
Candidates are required to give their answers in their own words
as far as practicable.*

Answer all questions:

1. Create the nutrition card for the food label of a packet of serving size 35g of product X with following specifications per 100g. 10
 - (i) Energy (kcal) — 370 kcal.
 - (ii) Protein (g) — 20g
 - (iii) Carbohydrates (g) — 30g of which sugars 72%
 - (iv) Fats (g) — 45g of which

SFA	–	10%
MUFA	–	50%
PUFA	–	40%
Trans fat	–	0%
 - (v) Cholesterol — 0mg
 - (vi) Dietary fibre — 5g
 - (vii) Sodium — 150mg
2. Plan a diet chart for a sedentary adult female of low income group (with non-vegetarian food habit) who has normal body weight. 10
3. Market survey project report. 10
4. LNB 5
5. Viva voce 5

B.Sc. 4th Semester (Honours) Examination, 2019**NUTRITION****(Nutritional Biochemistry II)****Paper : 401C-8****Course ID : 42311****Time: 2 Hours****Full Marks: 40**

*The figures in the margin indicate full marks.
Candidates are required to give their answers in their own words
as far as practicable.*

- 1. Answer any five:** 2×5=10
- (a) What is the central dogma of life?
 - (b) Give the structure of a co-enzyme form of thiamine.
 - (c) Write the functions of rRNA.
 - (d) Name the bases present in RNA.
 - (e) What is Watson-Crick base pairing rule?
 - (f) Mention two biochemical roles of Zn.
 - (g) What are codons?
 - (h) What are Okazaki fragments?
- 2. Answer any four:** 5×4=20
- (a) Write a short note on the biochemical role of Ca in glucose metabolism. 5
 - (b) 'DNA replication is semiconservative' - Explain. 5
 - (c) Give an account of the co-enzyme functions of folic acid. 5
 - (d) Classify with examples the different bases present in the DNA. 5
 - (e) Write a note on genetic code. 5
 - (f) What are the different types of RNA present in our body? Describe the structure and function of tRNA. 1+4=5
- 3. Answer any one:** 10×1=10
- (a) Write about the co-enzyme roles of (i) Niacin and (ii) Riboflavin. 5+5=10
 - (b) Describe the double helical structure of DNA. What are leading and lagging strands? 6+4=10
-