

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

Integrated B.Sc.-M.Sc. Clinical Nutrition and Dietetics (CND)

Second Year, Semester- III, January-2019 Examination.

Time- 2.00 Hrs.

Max. Marks: 60

FOOD SANITATION AND HYGIENE

Q.P-CODE: N3100

Your answers should be specific to questions asked.

Draw neat labelled diagrams wherever necessary

LONG ESSAY

2x10= 20 Marks

1. Explain the food storage under the following headings:
 - a. General guidelines for food storage.
 - b. Dry food storage.
2. Define hazards. Explain the types of hazards with examples.

SHORT ESSAY

5x5=25 Marks

3. Explain the management of leftover food in food establishment.
4. Discuss the prevention of rodent infestation and killing of rodents.
5. Write a note on kitchen uniforms and service uniforms.
6. Differentiate between food poisoning and food infection.
7. Explain sanitary procedures while hot holding food.

SHORT ANSWER

5x3=15 Marks

8. Define food allergies with example.
9. Mention the preventive measures to control rodents.
10. Define perishable, non-perishable and semi-perishable foods with example.
11. Mention the signs of spoilage in fruits and vegetables and eggs.
12. Abbreviate HACCP, FSSAI, HTST, FST, GMP and SRM.

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[Max Marks: 50]

APPLIED NUTRITION- II

QP Code: N3072

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

LONG ESSAY

2x6= 12 Marks

1. Explain the double indirect methods of assessing body composition. Give one example.
2. List the niacin containing coenzymes. Explain the functions and deficiency of Nicotinic acid.

SHORT ESSAY

6x4=24 Marks

3. Define minerals and state their functions in the human body.
4. Explain the role of vitamin C in collagen formation and wound healing.
5. Describe the functions of water.
6. Describe the factor affecting the bioavailability of vitamin D.
7. Explain the important functions of potassium.
8. Describe the deficiency of Magnesium.

SHORT ANSWER

7x2=14 Marks

9. Mention the body composition at the atomic level of a 70 kg reference man.
10. List the factor affecting the bioavailability of vitamin A.
11. Mention the four Ds forms of pellagra.
12. List the food sources of Pantothenic acid.
13. Identify major food sources of calcium.
14. Mention the any two functions of sulphur .
15. Mention the body water compartments .

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[Max Marks: 50]

MEDICAL NUTRITION MANAGEMENT-I

QP Code: N3081

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

LONG ESSAY

2x6= 12 Marks

1. Define Digestion. Explain neat labelled diagram of digestive system.
2. Describe the Microvascular complications that develop from prolonged exposure to high blood glucose concentrations.

SHORT ESSAY

6x4=24 Marks

3. Explain the macro and micro nutrient deficiencies in patients with HIV.
4. Discuss the metabolic changes during fever.
5. Describe the metabolic functions of the liver.
6. Define inborn errors of metabolism. List the causes and symptoms for Galactosemia .
7. Discuss the causes of gallbladder and pancreatic disorders.
8. Explain the Nutritional managements for diverticular disease.

SHORT ANSWER

7x2=14 Marks

9. Name the enzymes involved in digestion and absorption.
10. List any four low glycemic index foods.
11. List any four factors involved in constipation.
12. Define dumping syndrome.
13. Name any four factors that determine the intensity of drug responses.
14. List the generalized sign and symptoms of malaria.
15. Define Ascites.

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Time- 2 Hrs

[Max Marks: 50]

NUTRITION THROUGH LIFE SPAN- I

QP Code: N3091

Your answer should be specific to the question asked
Draw neat labeled diagrams wherever necessary

LONG ESSAY

2x6= 12 Marks

1. Discuss the effects of caffeine intake, weight reduction and stress management in Premenstrual syndrome .
2. Explain the risk factors and nutritional management for Gestational diabetes.

SHORT ESSAY

6x4=24 Marks

3. Describe the effect of excessive body fat in female and male fertility.
4. Explain the composition of weight gain in pregnancy.
5. Illustrate the Effect of Maternal Diet on Fat Composition in human milk.
6. Explain the immunological benefits for Breastfeeding.
7. Differentiate between the physiologic versus pathological jaundice .
8. Discuss the role of iron for the maintenance of normal pregnancy .

SHORT ANSWER

7x2=14 Marks

9. List the traditional culture-specific food patterns.
10. List any four important sources for disruptions in fertility.
11. Define hypothalamic amenorrhea.
12. Mention causes for Polycystic Ovary Syndrome.
13. Identify any two factors that influence the course and outcome of pregnancy.
14. Define Lactogenesis .
15. Define Hyperactive Letdown.

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MAX MARKS: 60

FOOD STANDARDS AND QUALITY CONTROL

Q.P. CODE: N3110

Your answers should be specific to questions asked.

Draw neat labelled diagrams wherever necessary

LONG ESSAY

2 x 10 = 20 marks

1. Describe food adulteration and explain types of adulteration.
2. Discuss in detail functioning of MFPO.

SHORT ESSAY

5 x 5 = 25 marks

3. Explain the interrelationship between food safety and quality assurance system.
4. Explain use of permitted synthetic food colours in food as per PFA act 1995.
5. Discuss the government regulations and usage of food additives.
6. Explain the principle of penetrometer and efflux tube viscometer.
7. Discuss any five instruments used for sensory evaluation of liquids and semisolids.

SHORT ANSWER

5 x 3 = 15 marks

8. Expand TQM,GMP,GHP,GKP,GAP and GCP.
9. List major categories of food additives with examples.
10. Classify preservatives and enumerate class 1 preservatives.
11. Define threshold and enumerate three types of thresholds.
12. Mention any six food borne diseases caused by pathogenic organisms.

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