

PH 811.2

Reg. No.:

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St Aloysius College (Autonomous)
Mangaluru

Semester II – P.G. Examination - M.Sc. Food Science, Nutrition and Dietetics
May/June - 2023

CLINICAL AND THERAPEUTIC NUTRITION

Time: 3 Hours

ST.ALOYSIUS COLLEGE
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MANGALORE-575 003

Max. Marks: 70

(6x3=18)

I. Answer any SIX of the following.

1. Comment on the cultural aspect of diet planning?
2. Write a note on nutritional imbalance.
3. Define Nutritional screening with example of a screening tool.
4. List the therapeutic diets implemented in hospitals and comment on one of them.
5. Define a) Nutritional Counselling b) Role of a dietitian.
6. Differentiate between food poisoning and intolerance?
7. Differentiate between PPN and CPN.

II. Answer any FOUR of the following.

(4x7=28)

8. Discuss on the Biochemical markers of severe undernutrition.
9. Discuss the indications, contraindications and complications in PN.
10. What is team approach in patient care? Discuss the psychological consideration in patient care.
11. Elaborate on the diet intervention during food allergy?
12. Discuss the drug-nutrient interaction taking one example of a clinical scenario.

III. Answer any TWO of the following:

(2x12=24)

13. What is Nutrition Care Process? List its steps and elaborate on the assessment of patients in hospitals.
14. Describe the concepts and models in Nutritional Counselling.
15. Discuss on one of the methods of surgically placed enterostomies. Give in detail the nutrient consideration and calculation following enteral feeding.

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St Aloysius College (Autonomous)**Mangaluru****Semester II – P.G. Examination - M.Sc. Food Science, Nutrition and Dietetics****May/June - 2023****DIETETICS**ST. ALOYSIUS COLLEGE
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MANGALORE-575 003**Time: 3 Hours****Max. Marks: 70****I. Answer any SIX of the following.****(6x3=18)**

1. What are the risk factors associated with malnutrition in critically ill patients?
2. What are the dietary considerations for patients with intestinal diseases such as flatulence and dysentery?
3. What is hypertension, and how is it classified?
4. What are the symptoms associated with acute pancreatitis?
5. What is osteomalacia, and how can dietary modifications be used to manage this condition?
6. Differentiate between enteral nutrition and parenteral nutrition.
7. What are some of the common genetic disorders, and how are they inherited?

II. Answer any FOUR of the following.**(4x7=28)**

8. Explain the significance of immuno enhancers in a nutritional care plan for different degrees of burns.
9. What are the common nutrition-related complications post-surgery and how can they be prevented or managed?
10. Explain the role of fat in the development of atherosclerosis and what dietary interventions can be used to prevent or manage this condition?
11. How can dietary modifications be used to manage fatty liver disease, and what are some of the potential benefits of doing so?
12. How is medical nutrition therapy used to manage patients with renal stones?

III. Answer any TWO of the following:**(2x12=24)**

13. Enumerate on the lifestyle modifications that can be used to prevent the development of CVD?
14. How does fever affect the body's metabolism, and what are some nutritional considerations during febrile illness?
15. What are the potential health consequences of being overweight and obesity?
Add a note on dietary modifications.

St Aloysius College (Autonomous)**Mangaluru****Semester II- P.G. Examination - M.Sc. Food Science, Nutrition and Dietetics****May/June - 2023****RESEARCH METHODOLOGY AND ETHICS****Time: 3 Hours****ST.ALOYSIUS COLLEGE** Max. Marks: 70PG Library (6x3=18)
MANGALORE-575 003**I. Answer any SIX of the following.**

1. Differentiate between basic and applied research.
2. What is quasi-experimental design?
3. What is the central limit theorem?
4. What is coefficient of correlation?
5. Calculate the mode in a moderately skewed distribution. Given: Mean=12, Median=11.
6. List the applications of computers in research.
7. What is h-index?

II. Answer any FOUR of the following.**(4x7=28)**

8. What are the criteria of good research? Outline the stages of a research process. **(3+4)**
9. Discuss randomised controlled research design in detail.
10. Illustrate the following data as a pie chart.

Produce	Dairy products	Cereals	Millets	Seafood	Poultry
Overall exports in Million metric ton	138	112	50	35	15

11. Discuss ethics in research.
12. Compute the standard deviation for the scores of a class in the final examination:
72,56,63,69,87,92,78,81,94,59

III. Answer any TWO of the following:**(2x12=24)**

13. Discuss experimental research designs.
14. A farm produces crops of three different varieties each grown on 3 different plots of the ground. State if the production in varieties is significantly different. Given: 5 % F-limit is 5.14

		Production of Variety of crop per acre of plot		
		A	B	C
Plot	1	6	5	5
	2	7	5	4
	3	3	7	3

15. Explain the structure of a thesis. What are the steps in the preparation of a thesis?

(6+6)

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Semester II- P.G. Examination - M.Sc. Food Science, Nutrition and Dietetics

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May/June - 2023

NUTRITION THROUGH LIFE CYCLE

Time: 3 Hours

Max. Marks: 70

I. Answer any SIX of the following.

(6x3=18)

1. What is the optimal weight gain during pregnancy?
2. Write a note on the milk let down reflex.
3. List the factors to be considered for deriving energy and protein needs in pregnancy as given by FAO.
4. List the complications during pregnancy.
5. Write a note on growth spurt among adolescent children.
6. What is an adult consumption unit?
7. Define Reference man and woman.

II. Answer any FOUR of the following.

(4x7=28)

8. Explain the effects of malnutrition on the pregnancy outcome.
9. Discuss the nutritional problems in the elderly population. How can it be overcome?
10. Discuss the energy recommendations for lactation in Indian women.
11. How do you overcome the nutritional problems of pre-schoolers?
12. Discuss the healthy food choices among young adults.

III. Answer any TWO of the following:

(2x12=24)

13. Discuss on the nutritional requirement for pregnant woman and write about the physiological changes during pregnancy.
14. Discuss infant and young child feeding practices and techniques involved in the feeding of low birth weight and premature infants.
15. Discuss the nutritional requirement, assessment, and counselling of pre-school children.
