

PH 811.2

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**St Aloysius College (Autonomous)**

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

July - 2022

**CLINICAL AND THERAPEUTIC NUTRITION**

Time: 3 Hours

Max. Marks: 70

I. Answer any SIX of the following.

(6x3=18)

1. What are the principles of nutritional care?
2. What are the cultural aspects of dietary planning?
3. Brief, the importance of vitamins and minerals in rehabilitation diets.
4. Write a note on development of a diet prescription.
5. Brief the social cognitive theory as a counselling method.
6. What is the role of team approach in patient care?
7. What are the effects of drug on food absorption?

II. Answer any FOUR of the following.

(4x7=28)

8. Explain the nutritional status of Indians and add a note on cultural aspects of dietary planning.
9. Discuss on nutrition intervention, monitoring and evaluation of nutritional care.
10. The role of a dietitian in communicating nutrition research to the public. Explain.
11. What are the complications of nutritional support systems?
12. Explain the types of diet related health disorders.

III. Answer any TWO of the following.

(2x12=24)

13. Explain standard hospital diet and modifications of food intake in nutrition care for hospitalized patients.
14. What is food allergy? Explain Common food allergens, tests and Treatment for allergy.
15. What does "parenteral feeding" mean? Write a note about the parenteral solution used in Total Parenteral Nutrition and the complications associated with it.

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PH 812.2

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**St Aloysius College (Autonomous)**  
**Mangaluru**

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

July - 2022

**DIETETICS**

Time: 3 Hours

Max. Marks: 70

I. Answer any **SIX** of the following.

(6x3=18)

1. Write the importance of nutritional screening in patient care.
2. What are immune suppressants?
3. What is pneumonia?
4. Write a note on renal transplantation.
5. What are the causes and symptoms of jaundice?
6. What are the complications of osteoarthritis?
7. Write in brief about the dietary considerations during nephritis.

II. Answer any **FOUR** of the following.

(4x7=28)

8. Define critical illness. Discuss the importance of monitoring nutrient intake in critical illness.
9. Explain medical nutrition therapy in stress and surgery.
10. Discuss about symptoms and dietary management of gastritis and peptic ulcer.
11. What are the metabolic changes in tuberculosis? Justify the MNT in tuberculosis.
12. Explain the complications and importance of dietary interventions in AIDS.

III. Answer any **TWO** of the following.

(2x12=24)

13. Write a detailed note on classification, diet related influencing factors and dietary management of coronary artery disease.
14. Explain the metabolic aspects, complications and dietary management of cirrhosis.
15. Distinguish between Parkinson's and Alzheimer's disease. Discuss their dietary management.

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**St Aloysius College (Autonomous)**  
**Mangaluru**  
Semester II - P.G. Examination - M.Sc. Food Science, Nutrition and Dietetics

July - 2022

**RESEARCH METHODOLOGY AND ETHICS**

Time: 3 Hours

Max. Marks: 70

I Answer any SIX of the following

(6X 3= 18)

1. Write on types of research.
2. What are Data and Standard Errors?
3. What is central limit theorem of sampling?
4. Write on IPR.
5. What is Co-efficient of variance?
6. Write on ethics of research.
7. What are primary and secondary data?

II Answer any FOUR of the following

(4X 7= 28)

8. Explain constituents of literature review.
9. Discuss the importance of graphical and diagrammatical presentations.
10. Compute Mean, median and standard deviation of the following data

Group	120-130	130-140	140-150	150-160	160-170	170-180
Frequency	2	4	6	12	10	6

11. Discuss on types of Hypotheses and Type I and II errors.
12. Explain on probability of distribution.

III Answer any TWO of the following

(2X12= 24)

13. Two judges at a fete placed the ten entries for the 'best fruit cakes' competition in order as follows (1 denotes first, etc.)

Entry	A	B	C	D	E	F	G	H	I	J
Judge 1 (x)	2	9	1	3	10	4	6	8	5	7
Judge 2 (y)	6	9	2	1	8	4	3	10	7	5

Is there a linear relationship between the rankings produced by the two judges?

14. Discuss the importance of research design and models.
15. Explain in detail about the ethics in research

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PS 816.2

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**St Aloysius College (Autonomous)**  
**Mangaluru**  
Semester II – P.G. Examination – M.Sc. Food Science, Nutrition and Dietetics

July - 2022

**NUTRITION THROUGH LIFE CYCLE**

Time: 3 Hours

Max. Marks: 70

**I Answer any SIX of the following**

**(6X3= 18)**

1. What are the functions of placenta and amniotic fluid?
2. Write a note on Temperament differences
3. Write a note on Anorexia Nervosa.
4. What is Polycystic Ovary Syndrome?
5. Write a note on neonatal jaundice.
6. Write a note on Infant Milk Substitute Act.
7. Write a note on Reference man and Reference woman.

**II Answer any FOUR of the following**

**(4X7= 28)**

8. What is aging? Explain the theories of aging.
9. Explain common nutritional problems and concerns associated with preschoolers.
10. Comment on breastfeeding problems.
11. Comment on common health problems during pregnancy and its management.
12. Give dietary guidelines for old adults and discuss on disabilities affecting geriatric group.

**III Answer any TWO of the following**

**(2X12= 24)**

13. Explain Anthropometric measurements used in growth assessment of new born and comment on nutritional requirement for infants.
14. Elaborate on physiology of lactation and composition of human milk
15. Discuss on the role of hormones during the adolescent growth

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