

PH 811.4

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

Semester IV - P.G. Examination - M.Sc. Food Science, Nutrition and Dietetics  
September - 2020

**NUTRITION IN CRITICAL CONDITIONS AND EMERGENCIES**

Time: 3 Hours

Max. Marks: 70

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

(6x3=18)

1. Write a short note on gastrostomy.
2. Briefly elucidate the term famine.
3. Briefly explain about the Viral hepatitis.
4. What do you mean by ebb phase?
5. Briefly elucidate the term Compensatory anti-inflammatory response syndrome.
6. Briefly explain about the Mini Nutritional Assessment for nutritional status assessment for critically ill patient.
7. Define the term immunosuppressant.

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

(4x7=28)

8. Briefly explain the non-dietary treatment of Burns.
9. What do you mean by PPN? Write down the advantages of Enteral Nutrition
10. What do you mean by nephrolithiasis? Briefly explain the nutritional management of nephrolithiasis.
11. Briefly elaborate the pre and post-operative nutritional management.
12. What do you mean by disaster? Write down the nutritional consequences of famine.

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

(2x12=24)

13. Write down the functions of liver. Write down the goals of nutrition support and nutritional management of liver diseases.
14. Briefly discuss about the common indication for enteral feeding. Write down the nutrition components of enteral feeding
15. Write down the functions of kidney. Write down the nutritional requirements in acute renal failure.

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PH 812.4

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

**Semester IV - P.G. Examination - M.Sc. Food Science, Nutrition and Dietetics**  
**September - 2020**

**PUBLIC HEALTH NUTRITION**

Time: 3 Hours

Max. Marks: 70

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

**(6x3=18)**

1. Write in brief the role of FAO in Public health nutrition.
2. Corporate social responsibility.
3. Write any three objectives of IEC.
4. Write about the process of communication.
5. Write a short note on fortified foods role in abolition of malnutrition.
6. Write a short note on WHO growth charts.
7. Write the goals of National nutritional anaemia program.

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

**(4x7=28)**

8. Discuss about ICDS programme.
9. Explain about the public distribution system in India.
10. Discuss about Mid-day meal programme.
11. Write about the relationship between health and nutrition.
12. Discuss the role of IEC in Nutrition education.

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

**(2x12=24)**

13. Discuss in detail about methods for assessing nutritional status.
14. Explain about food based interventions role in improving nutritional status and health.
15. Elucidate the link between nutrition and demographic changes.

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PS 816.4

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## St Aloysius College (Autonomous)

Mangaluru

Semester IV - P.G. Examination - M.Sc. Food Science, Nutrition and Dietetics  
September - 2020

### NUTRACEUTICALS AND FUNCTIONAL FOODS

Time: 3 Hours

Max. Marks: 70

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

(6x3=18)

1. Write short notes on regulatory issues of functional foods and nutraceuticals.
2. List out the different types of nutraceutical products available in market.
3. Write a short note on the role of nutraceuticals in human health.
4. What are resistant starches? List their effects on health.
5. Mention the role of dietary fibre in CVD.
6. Write note on omega-3 and omega-6 fatty acids.
7. Write short notes on Isoflavonoids.

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

(4x7=28)

8. Discuss nutraceuticals as new dietary ingredients.
9. Explain the role of nutraceuticals in cholesterol management.
10. What are the health benefits of antioxidants?
11. Explain Nutrigenomics and its relation with nutraceuticals.
12. Explain fructo-oligosaccharides as probiotic food components.

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

(2x12=24)

13. Describe different unit operations used during development of functional foods.
14. Discuss the health benefits of natural pigments.
15. Elucidate the types of prebiotics and their effects on gut microbes.

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