

# DHANAMANJURI UNIVERSITY

JUNE – 2021

**Name of Programme** : M.Sc. Home-Science (FNS)  
**Semester** : Fourth  
**Paper Code** : HSC-624  
**Paper Title** : Advanced Human Nutrition  
**Full Marks** : 40

*The figures in the margin indicate full marks for the questions.  
Answer all questions.*

1. Explain the Altitude sickness and its related health problems. 5+5=10  
Or  
Explain the physiological changes in astronauts. 10
2. Discuss the effects of malnutrition on immunity. Give the strategies to improve immunity during it. 5+5=10  
Or  
Explain the role of various vitamins in immune functions. 10
3. What are the nutritional and health problems in emergencies? Give the nutritional management to overcome them. 5+5=10  
Or  
Define bioavailability of nutrients. How will you increase the bioavailability of iron and calcium from your diet? 2+4+4=10
4. Give the importance of pregame meal, meal during game and postgame meal for an athlete. 10  
Or  
Define Nutrigenomics. Give its need in human health and disease with any two suitable examples. 2+4+4=10

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**Name of Programme : M.Sc. Home-Science (FNS)**

**Semester : Fourth**

**Paper Code : HSC-625**

**Paper Title : Food Service Management**

**Full Marks : 40**

*The figures in the margin indicate full marks for the questions.  
Answer all questions.*

1. Discuss the different methods of food purchasing. 10

Or

Explain 5+5=10

a) Ala Carte and Table d'hote

b) Menu construction and menu psychology

2. Briefly explain the evolution of food service industry and Classify food service industry with suitable examples. 6+4=10

Or

Expand POSDCORB. Discuss the tools of management. 2+8=10

3. Write short note on 5+5=10

a) Production forecasting and scheduling

b) Commissary and centralized food service system

Or

Define portion control. Discuss the factors involved in establishing portion control in a food service outlet. 10

4. Discuss the importance of hygiene and sanitary procedures during food handling and food service. 10

Or

Explain the factors influencing selection of equipments in food service. 10

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JUNE – 2021

**Name of Programme** : M.Sc. Home-Science (FNS)  
**Semester** : Fourth  
**Paper Code** : HSC-626  
**Paper Title** : Functional Foods and Nutraceuticals  
**Full Marks** : 40

*The figures in the margin indicate full marks for the questions.  
Answer all questions.*

1. Give suitable examples and briefly explain on dietary supplements. Discuss the various dietary supplement used for preventing cancer or assisting in cancer recovery. 5+5=10

Or

Write a short note on FOSHU. Discuss the health claims of FOSHU. 5+5=10

2. Discuss the role of various functional foods in disease prevention. 10

Or

Mention the bioactive component present in the following foods and discuss it's implications on health.

a) Garlic

b) Tomatoes 5+5=10

3. Define Nutraceuticals. Classify Nutraceuticals on the bases of chemical composition and explain with examples. 2+8=10

Or

Explain the cholesterol lowering action of plant sterol. 10

4. Explain the role of omega 3 and omega 6 fatty acids on human health. 10

Or

Explain the role of milk ingredients as nutraceuticals. 10

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# DHANAMANJURI UNIVERSITY

JUNE – 2021

**Name of Programme : M.Sc. Home Science (HD)**

**Semester : Fourth**

**Paper Code : HSC-643**

**Paper Title : Gerontology**

**Full Marks : 40**

*The figures in the margin indicate full marks for the questions.*

*Answer all questions*

1. Discuss the demographic profile of the aged in India. 10  
Or  
Elaborate on the disengagement theory of ageing. 10
2. What is the cognitive development witnessed at old age? 10  
Or  
Discuss on how people adjust to their retirement life. 10
3. How do ego integrity clashes with the despair in Erickson's theory? 10  
Or  
Discuss the old aged's psycho-social development from the perspective of Peck's theory. 10
4. What are the individual differences in psychological well-being of the old aged? 10  
Or  
Elaborate on the global life expectancy and the possible factors responsible for it. 10

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JUNE – 2021

**Name of Programme** : M.Sc. Home Science (HD)  
**Semester** : Fourth  
**Paper Code** : HSC-644  
**Paper Title** : Theories of Human Development  
**Full Marks** : 40

*The figures in the margin indicate full marks for the questions.*

*Answer all questions*

1. Define Guidance, Counselling. What are the principles of guidance and counselling. 10  
Or  
Explain the ethics in counselling and list the guidelines for effective counselling.
2. Discuss the approaches of counselling. 10  
Or  
Write on rational emotive therapy, cognitive therapy, transactional analysis.
3. Explain the different techniques of counselling. 10  
Or  
Discuss individual and group counselling.
4. Explain elaborately on marriage counselling. 10  
Or  
Give your views on children and adolescence counselling.

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JUNE – 2021

**Name of Programme** : M.Sc. Home Science (HD)  
**Semester** : Fourth  
**Paper Code** : HSC-645  
**Paper Title** : Human Rights and Child Rights  
**Full Marks** : 40

*The figures in the margin indicate full marks for the questions.  
Answer all questions*

1. Discuss on the evolution of Human Rights. 10  
Or  
Discuss how social and cultural rights are portrayed as components of human rights. 10
2. How are the fundamental rights inter related with the fundamental duties? 10  
Or  
Discuss on the functioning of the National Human Rights Commission. 10
3. Elaborate on the reproductive rights of women. 10  
Or  
Elaborate on the rights of persons with disabilities. 10
4. What are the problems usually faced in trying to make human rights for all a reality? 10  
Or  
Explain the concept of HDI and its relevance in human rights. 10

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Name of Programme : M.Sc. Home Science (HD)

Semester : Fourth

Paper Code : HSC-646

Paper Title : Gender Perspective

Full Marks : 40

*The figures in the margin indicate full marks for the questions.*

*Answer all questions*

1. Define gender perspective elaborate on its biological and socio-cultural connotation. 2+4+4=10

Or

What do you understand by gender equality? Give your opinion regarding need for gender equality in education and employment wages. 2+4+4=10

2. Explain Bandura's Social learning theory of gender. 10

Or

Write the merits and demerits of all the theories of gender. 10

3. Write the concept of gender mainstreaming? Discuss the different methods of gender mainstreaming. 2+3+5=10

Or

What is gender sensitization? Why do we need gender sensitization in the present trend? What are the qualitative and quantitative indicator of gender sensitization. 2+3+5=10

4. Explain in detail the provisions for Gender Sensitization as given in the constitution of India. 10

Or

Explain briefly the indication of Women Empowerment. 10

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