

SRI VENKATESWARA UNIVERSITY
DEPARTMENT OF HOME SCIENCE
CHOICE BASED CREDIT SYSTEM (C.B.C.S) SYLLABUS AND SCHEME OF EXAMINATION
(WITH EFFECT FROM THE ACADEMIC YEAR 2016 -2017)

B. Sc. CBCN

Course :B.Sc

Subject : Clinical Nutrition and Dietetics

Semester	Part	Course Code	Course	No. of Hours		Credits	IA	ES	Total Marks (100)	
				T	P					
Semester IV	SK/FC		F.C-7 Communication Soft Skills (CSS)-3	2	-	2	-	50	50	
			F.C-8 Analytical skills	2	-	2	-	50	50	
			F.C-9 Information & Communication Technology (ICT)-2	2	-	2	-	50	50	
			F.C-10 Leadership Education	2	-	2	-	50	50	
	Part 2	Paper CN 401		Community Nutrition	4	-	4	25	75	100
				Community Nutrition	-	3	2	-	50	50
		Paper CN 402		Biochemistry IV	4	-	4	25	75	100
				Biochemistry IV Practicals	-	3	2	-	50	50
		Paper CN 403		Chemistry IV	4	-	4	25	75	100
				Chemistry IV Practicals	-	3	2	-	50	50
				Total Marks	20	09	24	-	-	650

3-4-107**II year – IV Semester****PAPER-CN 401-COMMUNITY NUTRITION
W.E.F. 2016 - 17**Theory: 4credits/week
practicals: 3hrs./week

- Unit I : Assessment – Nutritional status of the community – Anthropometry.
- Unit II : Diet surveys and clinical assessment of nutritional status – clinical examination of signs, dietary analysis.
- Unit III : a. Biochemical assessment of nutritional status – Prevention and cure.
b. Indirect methods – vital health statistics.
c. Functional foods and its role
1. Phytochemicals, sources, benefits and its function.
2. Food Adultration – Adultration in different foods, their harmful effects, prevention – food adultration act – food standards – ISI, Agmark.
- Unit IV : a. National, International programmes related to nutrition a) ICDS – Supplementary feeding programmes – Special nutrition programmes (SNP) – Prophylactic programmes - Vitamin-A, Iron, Iodine etc.
b)Role of National and international agencies – WHO, FAO, CARE, UNICEF, ICMR etc.
b. Nutrition programmes for improving nutrition and health standards – feeding and nutrition education programmes.
- Unit V : Nutritional problems prevalent in India – Under nutrition, Malnutrition and Over nutrition – Deficiency diseases of vitamins and minerals with special reference to protein energy malnutrition, Anaemia, Vitamin-A, Iodine deficiency and B-complex deficiencies – Functional consequences.

PRATICALS

1. Diet and Nutrition surveys
2. Identifying vulnerable at risk groups
3. Breast feeding and weaning practices of specific groups.
4. Use of Anthropometric measurements in assessing the nutritional status.
5. Observation of mid dayprogramme at AnganwadiCenter.
6. Observation and Planning of School Lunch Progrmmes.
7. Planning and preparation of recipes for 15 members or more.

REFERENCES

1. Bamji MS, Krishnaswamy K, Brahmam GNV (2009). Textbook of Human Nutrition, 3rd edition. Oxford and IBH Publishing Co. Pvt. Ltd.
2. Wardlaw MG, Insel PM (2004). Perspectives in Nutrition, Sixth Edition, Mosby
3. Khanna K, Gupta S, Seth R, Mahna R, Rekhi T (2004). The Art and Science of Cooking: A Practical Manual, Revised Edition. Elite Publishing House Pvt Ltd.
4. NIN, ICMR (1990). Nutritive Value of Indian Foods.
5. Raina U, Kashyap S, Narula V, Thomas S, Suvira, Vir S, Chopra S (2010). Basic Food Preparation: A Complete Manual, Fourth Edition. Orient Black Swan Ltd.
6. Seth V, Singh K (2005). Diet planning through the Life Cycle: Part 1. Normal Nutrition. A Practical Manual, Fourth edition, Elite Publishing House Pvt Ltd.
7. Srilakahsmi, B., Dietetics, New Age International (P) Ltd., 2000.
8. Swaminadhan, M., 1988, Essentials of Food and Nutrition, Volume I and II, TheBangalore Printing and Publishing Co. Ltd., Bangalore.

II year IV Semester
Paper CN 401 – COMMUNITY NUTRITION
Model Question Paper

Time: 3 hrs.

Max. Marks: 75

Part-A

Answer any FIVE questions.
Each question carries 5 marks

5x5=25

1. How do you assess the growth of pre-school children with growth chart?
2. Explain school lunch programmes in brief?
3. Write about integrated child development service scheme?
4. Write about anaemia and its preventive measures?
5. Write about kwashiorkor and marasmus.
6. List the common nutritional deficiency diseases prevalent in our country?
7. Expand WHO and UNICEF and write about them.
8. Write about Anaemia and preventive measures.

Part-B

Answer All FIVE questions.
Each question carries 10 marks

5x10=50

1. a) Explain about vitamin A deficiency diseases?
 (Or)
 b) Classify vitamins and write about the B complex deficiency disease in brief.
2. a) What is meant by prophylaxis programmes? Discuss various prophylaxis programmes in brief.
 (Or)
 b) Discuss the role played by national agencies in improving the nutritional status of the population in your state.
3. a) Define nutritional status. Write on clinical examination techniques used to assess nutritional status of a community.
 (Or)
 b) Write about diet surveys.
4. a) Write about Food Adulteration – Adulteration in different foods, their harmful effects,
 (Or)
 b) Discuss the Phytochemicals, and their sources, benefits and its function.
5. a) How do you assess the nutrition of adults with Anthropometry?
 (Or)
 b) What are the anthropometric methods and techniques used to assess the nutritional status of a child?