SARDAR PATEL UNIVERSITY, VALLABH VIDYANAGAR

B.Sc. Home Science

(Under Choice Based Credit Scheme)

Semester - Fifth (Foods and Nutrition)

Effect from June, 2020

Sr. No.	Course Type	Course Code (10 Digit)	Name of Course	Theory (T) Practical (P)	Credit	Contact hrs/ week	Exam Duration in hrs	Marks		
				, ,				Internal	External	Total
1	Foundation	UH05FPRU21	Programme for Rural and UrbanDevelopment	Т	3	3	3	30	70	100
2	Courses	UH05FPRU22	Programme for Rural and UrbanDevelopment	P	1	2	3	15	35	50
3		UH05CFDN23	Computer Application in Foods and Nutrition	P	1	2	3	15	35	50
4	1	UH05CFDN24	Medical Nutrition Therapy-1	T	3	3	3	30	70	100
5		UH05CFDN25	Medical Nutrition Therapy-1	P	1	2	3	15	35	50
6		UH05CFDN26	Nutritional assesment and Surveillance	T	3	3	3	30	70	100
7	Core Courses	UH05CFDN27	Nutritional assesment and Surveillance	P	1	2	3	15	35	50
8		UH05CFDN28	Nuetracuetical annd functional foods	T	2	2	2	15	35	50
9		UH05CFDN29	Clinical Nutrition	T	3	3	3	30	70	100
10		UH05CFDN30	Maternal and Child Nutrtion	T	2	2	2	15	35	50
11		UH05CFDN31	Cuisine	P	2	4	Internal	100	-	100
			Elective Course (Any One 1	2,13,14,15)						
12	Elective	UH05EHSC01	Consumerism	T	2	2	2	15	35	50
13		UH05EHSC02	NGO Management	Т	2	2	2	15	35	50
14		UH05EHSC03	Accessories and Adornment	Т	2	2	2	15	35	50
15	Courses	UH05EHSC04	Public Health Epidemiology	T	2	2	2	15	35	50
			Total		24	30	30	325	525	850

SARDAR PATEL UNIVERSITY THIRD YEAR BSC (HOME) V SEMESTER PROGRAMMES FOR RURAL AND URBAN DEVELOPMENT COURSE CODE: UH05FPRO21

Theory

Credit: 03 Pd/wk: 03 Marks: 100

Objectives:

- 1. To develop understanding regarding the national towards urban and rural development
- 2. To examine the cumulative impact of these developmental efforts in quantitative and qualitative dimensions.

Theory	Content	Weightage
Unit-I	Introduction	
	Introduction to Community Development Programmes.	
	Program-Before and After Independence	
Unit-II	History and Concept	10%
	History in planning in India Five year plan and their focus.	
	Planning at different levels: National to grassroots	
Unit-III	Programmes to enhance food productions:	20%
	Thrust on agriculture.	
	National food production programmes.	
	Independence, Intensive production schemes.	
Unit-	Poverty alleviation efforts:	30%
IV	RuralandUrbancommunities, characteristics, nature, difference, village organization, rural and urban development (NGOs working), role of CAPART	
	Programmes for poverty alleviation for rural and urban areas, employment generation	
	and social inputs.	
	Current programmes for rural and urban poor.(Latest five year plan should be emphasized).	
Unit-	Programmes for women and Children:	30%
VI	Women as target groups, Specific measures for women and children such as DWCRA, ICDS, IMY, ANARDE, SEVA, CHETNA, TF, SGSY, ARSP.	
	Current programmes for women as initiated and implemented by the different ministries and departments.	
	Shift from welfare to development to empowerment approach.	
	Role of Home Science in rural and urban development.	

Outcomes:

- 1. The students can get the knowledge of different five years plan.
- 2. They use the knowledge in self empowerment and indirectly helps the society in poverty elliviation.

References:-

- 1. Upadhyaya, H.C.(1991): Modernisation and Rural Development New Delhi, anmaol publications.
- 2. National institute of Rural development, Hyderabad, 1991.Rural development statistics NIRD.
- 3. Narayan Manohar S(1989) Integrated Rural energy programmes, Delhi Shree Hari printers.
- 4. Ghosh Bahanisikha (1990) The Indian population problem, Madras, Sage publications.
- 5. Thingalaya N.K(1986) Rural India-Real India, Bombay ,Himalaya Publishing House.
- 6. Journal of Social welfare ,Journal of Rural development ,Journal of Yojana, Journal of Family welfare, Journal of extension education.

SARDAR PATEL UNIVERSITY THIRD YEAR BSC (HOME) V SEMESTER PROGRAMMES FOR RURAL AND URBAN DEVELOPMENT COURSE CODE: UH05FPRO22 Practical

Credit: 01 Pd/wk: 02 Marks: 50

Experiment

- 1 Appraisal of the efforts-
- 2 Examining the impact of the development efforts in selected rural areas Quantitative achievement and qualitative improvement of a programmes
- 3 Study of the evaluation reports of the various departments.
- 4 Conducting Welfare programmes for target groups.
- 5 Planning a programme for the target groups in link with ongoing programmes in Home Science Problems/need identification of a community.

SARDAR PATEL UNIVERSITY THIRD YEAR BSC (HOME) V SEMESTER COMPUTER APPLICATIONS IN FOODS AND NUTRITION COURSE CODE: UHO5CFDN23

Practical

Credits: 01 PD/WK-02 Marks: 50

Objectives:

To enable the students to use computer for Nutrition Education and Nutrition Research.

Practical-1

- a) Introduction to Excel-including writing formulas.
- b) Formatting Data
 - i. Changing column- Width and row height.
 - ii. Aligning work sheet data
- iii. Formatting fonts
- iv. Changing number formats
- v. Formatting dates
- vi. Adding borders and colors

Practical-2

- a) Charting data
 - i. What are charts?
 - ii. Creating charts
 - iii. Selecting the chart type
 - iv. Modifying a chart
 - v. Creating a chart sheet
 - vi. Simple data analysis- coding and graphs

Practical -3

- a) Preparation of slides in power point
 - i. 13. Slide presentation
 - ii. 14. Adding clip art to slides
 - iii. 15. Insert pictures in slides
 - iv. 16. Setting time for slides show.
 - v. 17. Preparing note pages
 - vi. 18. Preparing audience handouts

Practical-4

a) Use of internet

Web search for updated information.

Net surfing specific topics related to the subject including the latest advances.

Locating journals on website.

Listing of software related to food and nutrition available in the market.

Practical – 5 Use of any one software for nutritional calculation

SARDAR PATEL UNIVERSITY THIRD YEAR BSC (HOME) V SEMESTER MEDICAL NUTRITION THERAPY –I COURSE CODE: - UHO5CFDN24

Theory

Credit: 03	Pd/wk: 03	Marks:100
Objectives:	1. This course will enable students to learn about different	
v	diets other than routine diets.	
	2. It will help them to plan and calculate diets according to	
	the disease condition	
	CONTENT	WEIGHTAGE
Unit 1	Therapeutic Diets:	20%
	a) Diet therapy and types of therapeutic diets.	
	b) Hospital diets and Modification of normal diets.	
	c) Nutrition support method	
	d) Effective nutrition Counseling	
	-Role of Dietitian.	
	-Nutrition care process.	
	-Documentation in nutrition care record.	
	-Guideline for counseling.	
	-Behavior change, counseling strategy, cognitive behavioral	
	therapy, motivation of effectiveness.	
Unit 2	Nutrition in weight management	20%
	a) Body weight components.	
	b) -Regulation of body weight.	
	c) -Weight Imbalance overweight and obesity management	
	of obesity in adults.	
	d) -Nutrition in underweight.	
Unit 3	Nutrition in eating disorder	20%
	a) Anorexia Nervosa	
	b) Bulimia.	
	Nutrition during fever and infection	
Unit 4	a) Nutrition in Rheumatoid arthritis.	10%
	b) Nutrition for oral health.	
	c) Inborn errors of metabolism	
	d) Food allergy	
Unit 5	Medical nutritional therapy in Gastro Intestinal Disorders.	25%
	a) Etiology, symptoms, dietary management in	
	b) Diarrhea, constipation, peptic ulcer and ulcerative colitis	
Unit 6	Medical nutritional therapy in menopause	5%
Outcomes	The student will be able to calculate nutrients and plan diets	
T . 0	according to disease condition	
References:	1. Joshi S.A.(1992) Nutrition and Dietetics Tata McGraw Hill	
	Publication New Delhi. 2. Anderson, L, Dibble, M.U.Turkki, P.R.Mitchell, H.S. and	
	Rynbergin, H.J. (1982) Nutrition In Health	
	Disease latest ed, J.B.Lippincott& Co. Philadelphia.	
	3. Antia, F.P. (1973) Clinical Dietetics and nutrition 2 nd ed, Oxford	
	University press New Delhi.	
	4. Mahan, L.K. Arli, M.T. (1992) Krause Food Nutrition and Diet	
	Therapy 8 th ed. W.B. Saunders Co. London.	
	 Robinson, C.H.Lawer, M.R., Chenoweth, W.L. and Garwlic, A.E. (1986) normal and therapeutic 17th ed. Mac.Millsn Publishing 	
	Co.	
	7. Williams S.R. (1989) Nutrition and Diet therapy 6 th ed. Tumes	
	mirror/Mosby College publishing St. Louis.	

8. Raheena Begum (1989) A text book of Food Nutrition and Dietetics Sterling Publisher New Delhi.

SARDAR PATEL UNIVERSITY THIRD YEAR BSC (HOME) V SEMESTER MEDICAL NUTRITION THERAPY –I COURSE CODE: - UHO5CFDN25 Practical

Practical	Content
1	Planning preparation for the following diets:
	Modification in normal diet (Clear fluid ,full fluid and soft diet)
2	Medical nutrition therapy in weight management
	a) Over weight
	b) Underweight
3	Medical nutrition therapy in Eating Disorders
	a) Anorexia nervosa
	b) Bulimia Nervosa
4	Medical nutrition therapy in fevers and infections
	a) Acute Fever
	b) Chronic Fever
5	Diet for oral health.
	Diet for rheumatoid arthritis patient
6	Medical nutrition therapy in gastrointestinal disorder
	a) Diet for Diarrhea patient
	b) Diet for constipation patient
	c) Diet for Peptic Ulcer patient
	d) Diet for Ulcerative Colitis patient

SARDAR PATEL UNIVERSITY THIRD YEAR BSC (HOME) V SEMESTER NUTRITRITIONAL ASSESSMENT AND SURVEILLANCE COURSE CODE: UHO5CFDN26

Theory

Credits-03 Pd/Wk: 03 Marks: 100

OBJECTIVES

This course will enable the students to

- 1. Understand the concept of nutritional status and its relationship to health.
- 2. Know aims, objectives, methods used for assessment of nutritional status.
- 3. Identify the factors responsible for the malnutrition.

3. Identity th	ne factors responsible for the malnutrition.			
Unit -1	Nutritional status assessment and surveillance-meaning, need, and importance.			
Unit-II	Nutrition surveillance system and Nutrition Monitoring. Diet surveys-need, importance, methods of diet survey. Interpretation-concept of consumption unit, intra and inter individual Distribution in family, Adequacy of diet with respect to RDA. Concept of family food security.			
Unit-III	Direct Nutritional Assessment of Human groups-	25%		
	 a) Clinical signs-need, importance, identifying signs of PEM, Vitamin A, Anemia, Iodine deficiency. Interpretation of descriptive list of clinical signs 			
	b) Nutrition Anthropometrics-need and importance, Standards for references, techniques of measuring height, weight, head, chest and arm circumference, Comparision and interpretation of these measurements with the Standards and use of growth charts and interpretation			
	c) Biochemical tests			
	d) Biophysical methods			
Unit-IV	a Rapid assessment procedures- need and importance, technique of rapid assessment, interpretation.b Surveillance Systems-International, National and Community.	20%		
Unit-V	Secondary sources of Community health data: Sources of relevant vital statistics, importance of infant, child and maternal mortality rates. Epidemiology of nutritionally related diseases.			
	Sociological factors in etiology, prevention of malnutrition, food production and availability, Cultural influences, socio-economic feeters, food consumption, conditioning infections. Psychosocial			

factors, food consumption, conditioning infections, Psychosocial, emergency/disaster conditions like Famine, Floods.

REFERENCES

- 1. Jelliffe D.B.(1966): Assessment of nutritional status of the community, WHO
- 2. Saln D R Lockwood R Scrimshaw N S (1981) Methods for the evaluation of the Impact and Nutrition Programme U N University.
- 3. Rutchie J A S (1967): learning better nutrition, FAO Rome.
- 4. Gopalan C. Nutritional and Health Care, Nutrition foundation of India, special publication series.
- 5. Beghan I Cap M Dajardan B (1988) A guide to Nutritional Status Assessment WHO Geneva.
- 6. Gopaldas T and Seshadri S (1987) Nutrition monitoring and assessment, Oxford University press.
- 7. 7. Mason J B Habicht J P Tabatabai H Valverde V (1984): Nutritional Surveillance WHO.

OUTCOMES

At the end of the course the students shall have the knowledge to

- 1. Understand the concept of nutritional status and its relationship to health.
- 2. Know aims, objectives, methods used for assessment of nutritional status.
- 3. Identify the factors responsible for the malnutrition.

SARDAR PATEL UNIVERSITY THIRD YEAR BSC (HOME) V SEMESTER NUTRITRITIONAL ASSESSMENT AND SURVEILLANCE COURSE CODE: UHO5CFDN27

Practical

Credits-01 Pd/Wk-02 Marks-50 PRACTICAL CONTENT

- 1. To assess the nutritional status by use of anthropometric measurements:
 - a. Measurement of child's height, weight, circumference measurements-head, chest, mid upper arm, waist-hip ratio.
 - b. Assessment of BMI of adolescents.
 - c. Interpretation of data in weight for age, height for age, weight for height.
 - d. Measurements of fat using skin fold thickness.
 - e. Clinical assessment of PEM, Vitamin A, Anemia, B complex vitamins
- 2. Formulating tool, collection of Data, estimation of Intake by different dietary methods.
- 3. Nutrition Health Education activities-preparation of charts, posters, street plays, skits, puppets, lecture demonstration (any one activity by one group).
- 4. a) Field visits for surveillance system used in nutrition and health programmes.
 - b) Assessment of BMI for Adolescents

SARDAR PATEL UNIVERSITY THIRD YEAR BSC (HOME) V SEMESTER NUTRACEUTICALS AND FUNCTIONAL FOODS COURSE CODE: UH05CFDN28

Theory

Credits: 02 Pd/Wk: 02 Marks: 50 OBJECTIVES:

THEORY	CONTENT	WEIGHTAGE
	1. Introduction to Nutraceuticals as Science:	25%
	a. Historical perspective, classification, scope & future prospects.	
I	b. Applied aspects of the Nutraceutical Science.	
	c. Sources of Nutraceuticals.	
	2. Structure and functions of various Nutraceuticals:	
	 a. Glucosamine, Octacosanol, Lycopene, Carnitine, Melatonin and Ornithine alpha ketoglutarate. Use of proanthocyanidins, grape products, flaxseed oil as Nutraceuticals. 	
II	Functional Foods – I	25%
	a) Functional Foods-1: Definition, Relation of functional foods & Nutraceuticals (FFN) to foods & drugs.	
	b) Applications of herbs to functional foods. Concept of free radicals and antioxidants; Nutritive and Non-nutritive food components with potential health effects.	
Ш	Food as remedies:	30%
	a) Nutraceuticals bridging the gap between food and drug, Nutraceuticals in treatment for cognitive decline, Nutraceutical remedies for common disorders like Arthritis, Bronchitis, circulatory problems, hypoglycemia, Nephrological disorders, Liver disorders, Osteoporosis, Psoriasis and Ulcers etc.	
	b) Brief idea about some Nutraceutical rich supplements e.g. Bee pollen, Caffeine, Green tea, Lecithin, Mushroom extract, Chlorophyll, Kelp and <i>Spirulina</i> etc.	
	c) General idea about probiotics and prebiotics as nutraceuticals.	
IV	Functional Foods – II	20%
	a) Sources and role of Isoprenoids, Isoflavones, Flavonoids, carotenoids, Tocotrienols, polyunsaturated fatty acids, sphingolipids, lecithin, choline. terpenoids. Vegetables, Cereals, milk and dairy products as Functional foods.	
	b) Health effects of common beans, <i>Capsicum annum</i> , mustards,	
	Ginseng, garlic, grape, citrus fruits, fish oils, and sea foods, nuts.	
	c) Role of dietary fiber in disease prevention.	
	d) Anti-nutritional Factors present in Foods:	

OUTCOME:

Students will learn the knowledge of nutraceuticals of food

e) General idea about role of Probiotics and Prebiotics as

nutraceuticals.

REFERENCES:

1. Owen R.Fennema:Food Chemistry,3rd Edition,Marcel Dekker Inc,New York

2. Lillian Hoagland Meyer:Food Chemistry, Affiliated East-West Press Pvt.Ltd

SARDAR PATEL UNIVERSITY THIRD YEAR BSC (HOME) V SEMESTER CLINICAL NUTRITION COURSE CODE: UHO5CFDN29 Theory

Credits: 03 **PD/WK: 03** Marks: 100 Ι Introduction ,principles of clinical nutrition 15% a. Spectrum of nutritional problems, nutrient requirements. b. Effects of disorders on nutritional requirements. c. Importance of nutritional screening. d. Clinical assessment of nutritional status. e. Nutritional assessment tools in clinical decision making. MUST, SGA, NIA, MNA GMRI Different types of histories ii. Over nutrition and Under nutrition-II 20% a. Introduction, clinical presentation, clinical assessment, treatment approaches and prevention, b. Chronic under nutrition, under nutrition in elderly individuals, assessment of under nutrition, metabolic disorder, treatment. Ш 1. Gastrointestinal tract-the pathophysiology, laboratory 45% assessment and nutritional assessment a. Esophagitis, peptic ulcers b. Celiac disease-ulcerative colitis and Irritable Bowel Syndrome 2. Liver diseases—the pathophysiology, laboratory assessment and nutritional assessmenta. Acute Viral Hepatitis, Chronic Viral Hepatitis b. Alcoholic Liver Diseases-Hepatic Steatosis, Alcoholic Hepatitis, Alcoholic Cirrhosis, Malnutrition in Liver Disease. 3. Pancreatic and gall bladder disorder- the pathophysiology, laboratory assessment and nutritional assessmenta. Diseases of Exocrine Pancreas **Acute Pancreatitis** i. ii. Chronic Pancreatitis Diseases of Endocrine Pancreas iii. Diabetes mellitus-types, iv. factors causing, pathophysiology, Complications of Diabetes Mellitus- DKA, Macro v.

- b. Diseases of gall bladder
- i. Cholestasis

Vascular Diseases, Micro Vascular Diseases

Cholelithiasis ii.

- 4. Kidney Disorderthe pathophysiology, laboratory assessment and nutritional assessment-
- a. Nephritis
- b. Nephrotic Syndrome
- c. Nephrolithiasis,
- d. Acute Renal Failure
- e. Chronic Renal Failure
- f. ESRD
- 5. Heart and blood vessels- the pathophysiology, laboratory assessment and nutritional assessment-
- a. Cardio Vascular Diseases-
- b. Atherosclerosis-Factors-Modifiable and Non-Modifiable
- c. Lipoproteins- their role in CVD
- d. Hyper tension
- e. Heart Failure

IV Nutrition in surgery and trauma10%

Introduction, stress response to trauma and its effects on mechanism

Nutrition support in preoperative care.

Nutrition and Drug interaction V

10%

- a. Risk factors of Food drug interactions
- b. Effect of Drugs on Nutritional Status,
- c. Effect of Drugs on Food and Nutrition
- d. Effect of food on Drug Therapy

REFERENCES:

- 1. Antia F.P. "Clinical Dietetics" Nutrition 3rd 2000. Oxford University Press. New Delhi/Bombay.
- 2. Passmore, R. Eastwood M.A. "Human Nutrition & Dietetics" 8th Ed. 1986. ELBS Publ.
- 3. Robusseu C.H. & Wyley E.S. "Basic Nutrition & Diet Therapy" 6th Ed. 1989 Macmillan Pub New York.
- 4. Anderson L. & Others "Nutrition in Health & Disease" 1982 17,th ed J.B. Lippincott Cp. Philadelphia. Vocational Training Course - Clinical Nutrition & Dietetics.

OUTCOME:

- 1. At the end of the course the students shall have the knowledge of
- 2. The basic nutrition screening process and the tools used
- 3. Clinical assessment of nutritional status in various diseases
- 4. Metabolic changes in stress and trauma and drug and nutrient interaction

SARDAR PATEL UNIVERSITY THIRD YEAR BSC (HOME) V SEMESTER MATERNAL AND CHILD NUTRITION COURSE CODE: UH05CFDN30 Theory

Credits-02 Pd/Wk-02 Marks-50

OBJECTIVES:

This course should enable the students to-

- 1. Understand the physiology of pregnancy and lactation and how these influence nutritional requirements.
- 2. Learn benefits of breast feeding.
- 3. Be aware of problems encountered in pregnancy and during breast feeding and how to cope with these problems.
- 4. Understand the process of growth and development from birth until adulthood.
- 5. Get familiar with nutritional needs at different stages of growth.
- 6. Understand the concept of growth promotion.

THEORY CONTENT WEIGHTAGE

Unit-I Nutrition during pregnancy:

- a) Placental development and function, foetal growth and development
- b) physiological changes during pregnancy, Importance of proper weight gain 35%
- c) Nutritional and non- nutritional factors affecting pregnancy outcome
- d) Antenatal care Effects of fetal malnutrition
- e) Common problems of pregnancy and their management
- f) Pregnancy induced diabetes and hypertension
- g) Food aversions and cravings, Pica
- h) Importance of nutritional requirements and modification of
 - a. existing diet.supplementations,Deficiency of nutrients and their
 - **b.** impact.
- i) Adolescent pregnancy, consequencies, cares, etc.

Unit-II Nutrition during Lactation:

25%

- a) Nutrition during lactation and dietary management, food supplements, lactogogues
- b) Physiology of lactation
- c) Factors affecting lactation
- d) problems during lactation
- e) lactation amenorrhea, breast hygiene, milk bank in India and its function

Unit-III Nutrition during Infancy:

a) Breast feeding- colostrums, its composition and importance in

- feeding. Initiation of breast
- b) Feeding and duration of breast feeding. Nutritional and other advantages of breast feeding.
- c) Introduction of complimentary foods, initiation and management of weaning, sterilization of bottles, mixed feeding and artificial feeding. Teething and management of problems.

Unit-V Growth and development during preschool, school going and adolescent child with special needs:

20%

- a) Management of preterm and low birth weight children
- b) Dietary management of preschoolers and school going child.
- c) Physical, brain and mental development, anorexia nervosa & bulimia during Adolescents.
- d) Puberty, Prepubertal and pubertal changes, Menarche/menstrual cycle.

OUTCOME:

- 1. The students will get the knowledge of importance of nutrition during childhood and adolescence which influence a woman's preconceptional nutritional status which subsequently influences the outcome of pregnancy and health of her child.
- 2. The students will understand the beneficial effects of breast feeding for both mother and infant as well as how intrauterine malnutrition is a key predictor of developmental delay.

REFERENCES:

- 1. Ghosh (1992) The feeding and care of infant and young children UHAI.6th ed. New Delhi.
- 2. WHO (1978) A Growth chart of International use in maternal and child Health Care Geneva.
- 3. Swaminathan M.(1985) Essentials of Foods and Nutrition.Vol.I &II Ganesh and Co. Madras.
- 4. King M.H.King F.M.A Morley D: Burgress A.P (1972) Nutrition for Developing countries

ECBS Oxford Universities Press.

- 5. Indian National Code for protection of Breast feeding.Govt.of India Ministry of Social Welfare.
- 6. Indial Council of Medical Research (1989) RDI for Indians.
- 7. M C Laren D.S.Meguid M.M (1988) Nutrition and its Disorders. Churchill Livingstone waterlow J.C (1992) PEM Edward Arnold.
- 8. Sachdeva H.P.S Chaudhary P (1994)
- 9. Nutrition in Children: Developing country concerns Dept. of pediatrics.Maulana Azad Medical College New Delhi.
- 10. Worthing Robets B.S. & William S (1989) Nutrition in Pregnancy & Lactation.

SARDAR PATEL UNIVERSITY

THIRD YEAR BSC (HOME) V SEMESTER CUISINE COURSE CODE: UH05CFDN31 Practical

Credit: 02 Pd/wk: 04 Marks: 100

- 1. Brief Introduction, cooking terms, special ingredients and preparation of recipes of Northern India-Punjab, Jammu and Kashmir, Uttrakhand, Uttar Pradesh, Laddakh, Haryana, Himachal Pradesh –Any two states
- 2. Brief Introduction, cooking terms, special ingredients and preparation of recipes of Southern India-Andhra Pradesh, Tamilnadu, Kerala, Karnataka- Any two states
- 3. Brief Introduction, cooking terms, special ingredients and preparation of recipes of western India- Rajasthan, Maharashtra, Goa, Madhya Pradesh, Gujarat- Any two states
- 4. Brief Introduction, cooking terms, special ingredients and preparation of recipes of Eastern India- Assam, West Bengal, Tripura, Nagaland, Manipur, Arunachal Pradesh- Any two states
- 5. Oriental Cuisine- Arabic, Chinese, Japanese, Ceylonese, Thai, Indonesian-Any two
- 6. South American Cuisine- Mexican
- 7. Mediterrian Cuisine Egyptian, Greek (Any one)