

# P.G. Diploma In Nutrition and Dietetics 2018-19

### **1. Nomenclature of the Degree:**

The nomenclature of the degree awarded shall be Post Graduation Diploma in Nutrition and Dietetics.

### 2. Eligibility for Admission:

The eligibility for admission to the P. G. Diploma Course in Nutrition and Dietetics shall be Bachelor of Food Technology and Management (BFTM), B.Sc. Food Technology and Management, B.Sc. in Home Science with specialization in Foods and Nutrition, B.Sc. Home Science (General), B. Sc. Food Science and Quality Control, B.Sc. Biochemistry, B.Sc. Chemistry, B.Sc. Microbiology, B.Sc. Biomedical Sciences, B.Sc. Biotechnology and B.Sc. Zoology or B. Voc. Food Processing and Management (with 12<sup>th</sup> science).

### 3. Intake capacity:

The intake capacity is 30 students.

### 4. Duration to complete the Course:

The candidate who fails to complete the course within a period of one academic year should complete the course within Three years from the date of joining the course.

### 5. Attendance:

A candidate shall not be allowed to appear for the final examination of the University unless she/he has kept a term in the college and produces a certificate from the Principal of the college.

a) Of having completed the minimum units in theory and practical as prescribed in the syllabus.

b) Of having attended 80% of the total period devoted to Practical/orals/seminar/displays/workshop/project work and other related activities.

c) Of having submitted the required no. of tutorials seminars and assignment.

### **Standard of Passing**

To pass the examination a candidate must obtain 40% of marks in each paper. The minimum standard of passing in each theory paper of 80 marks shall be 32 and for practical paper of 50 marks shall be 20. The class for P.G. Diploma will be awarded as follows.

40 - 49%	- Pass Class
50-59 %	- Second Class
60-69%	- First Class
70% and	above- First Class with Distinction

### STAFF REQUIREMENT AND QUALIFICATION

StaffQualificationAssistant Professor- A)Master of Science (MSc.) with<br/>Specialization in the following

- 1. Dietetics and Food Service Management
- 2. Nutrition and Dietetics
- 3. Clinical Nutrition
- 4. And Equivalent degrees

B) The minimum requirements of a good academic record, 55% marks (or an equivalent grade in a point scale wherever grading system is followed) at the master's level and qualifying in the National Eligibility Test (NET), or an accredited test (State Level Eligibility Test - SLET/SET), shall remain for the appointment of Assistant Professors.

Sr. no.	Subject	Distribution of Marks		Total Periods	Total Marks	
		External Theory	External Practical	Internal	per week	
1	Nutritional Biochemistry	80	-	20	2	100
2	Dietetics and Diet Counseling	80	-	20	4	100
3	Human Physiology	80	-	20	2	100
4	Public Nutrition	80	-	20	2	100
5	Institutional Food Management	80	-	20	2	100
6	Lab Course I	-	50	25	4	75
7	Lab Course II	-	50	25	2	75
8	Field Work	-	-	50	2	50
9	Dissertation and Seminar	-	50	50 (25+25)	2	100
	Total	400	150	250	22	800

# P.G. Diploma in Nutrition and Dietetics Course Structure

- Hospital Internship: The duration of the Course shall be one academic year followed immediately by 2 months Internship in Multi-specialty Hospitals. No candidate who has passed the examination shall be awarded the Diploma unless she has undergone the Internship in an Institution. For a period of at least two months in hospitals, students are expected to collect five case histories and submit a report.
- Field Work: Students must submit reports on their observations in the institution visited.
- The practical examination for Lab Course I shall be conducted over a period of 2 days for 3 hours each and Lab Course II shall be conducted for 3 hours only.

# **EXAMINATION PATTERN**

Theory: - 100 Marks External Assessment: - 80 Marks Internal Assessment: - 20 Marks

#### Nature of Theory Examination

<b>Objective Questions:</b>	10 Marks
• Fill in the blanks.	
• Match the following.	
• True or False.	
• Explain the term.	
Short Notes:	20 Marks
Subjective Questions:	50 Marks

Solve any five questions out of seven.

#### Nature of Practical Examination

Practical Paper:	50 Marks
• Journals:	10 Marks
• Viva:	10 Marks
• Experiment:	<b>30 Marks</b>
Dissertation and Seminar	100 Marks
Dissertation	75 Marks
Internal assessment	25 Marks
External Assessment	50 Marks
• Seminar	25 Marks
<ul> <li>Report</li> </ul>	10 Marks
<ul> <li>Presentation</li> </ul>	15 Marks

### Post Graduate Diploma in Nutrition and Dietetics Subject: NUTRITIONAL BIOCHEMISTRY

#### **Objectives:**

To enable students to:

- 1) Learn the role of nutrients in foods and deficiency diseases.
- 2) Understand the metabolism of nutrients in health and diseases
- 3) Understand the regulation of metabolism

### Total workload: 60

Sr. No.	TOPICS	No of Periods
1	Chemistry and Metabolism of	10
	Carbohydrates	
	• Definition	
	Classification	
	Biological role	
	• Metabolism - Digestion and absorption,	
	Glycolysis, Krebs cycle, Electron	
	Transport System, Gluconeogenesis,	
	Glycogenesis, Glycogenolysis, HMP	
	pathway, Galactose Metabolism,	
	Fructose Metabolism,	
	• Disorders related to Carbohydrate	
	metabolism.	
2	Chemistry and Metabolism of Lipids	10
	• Definition	
	Classification	
	• Biological Role of Fatty Acids and	
	Lipids Metabolism- Digestion and	
	Absorption, Oxidation of Fatty Acids	
	• Metabolism of Lipoproteins and Ketone	
	Bodies and Their Significance,	
	• Cholesterol Metabolism,	
	• Metabolism of Adipose Tissue,	
	• Disorders Related to Lipid Metabolism.	
3	Chemistry and Metabolism of Proteins	10
	• Definition	
	Classification	
	• Biological Role of Amino Acids and	
	Proteins Biological Value of Protein	
	• Metabolism -Digestion and Absorption,	
	Transamination, Deamination,	
	Metabolism of Ammonia. Urea Cycle	

	Disorders Related To Protein/Amino Acid Metabolism.	
4	<ul> <li>Vitamins</li> <li>Definition</li> <li>Classification</li> <li>Absorption and Role of Vitamins in Metabolism</li> <li>Deficiency Diseases.</li> </ul>	05
5	Minerals         • Definition         • Types         • Absorption and Function and Role of Minerals in Metabolism         • Deficiency Diseases.	05
6	<ul> <li>Water and Electrolyte balance</li> <li>Functions of Water</li> <li>Distribution of Body Water</li> <li>Water Intake And Water Output</li> <li>Electrolyte Composition of Body Fluids</li> <li>Regulation of Electrolyte Balance</li> <li>Dehydration and Over hydration</li> </ul>	05
7	<ul> <li>Acid Base balance</li> <li>Role of Buffers</li> <li>Lungs and Kidney in Maintaining Acid Base Balance and Related Disorders</li> </ul>	03
8	<ul> <li>Organ Function Tests</li> <li>Liver Function Tests</li> <li>Kidney Function Tests</li> <li>Gastric Function Tests</li> <li>Pancreatic Function Tests</li> <li>Thyroid Function Tests</li> </ul>	07
9	<ul> <li>Hormones</li> <li>Definition</li> <li>Classification</li> <li>Mechanism of Action</li> <li>Hormones of Hypothalamus, Pituitary Gland, Thyroid Gland, Adrenal Gland, Gonads and Gastrointestinal Hormones</li> </ul>	05

#### References:

- Dasgupta, S. K., Biochemistry Vol. I; n & III, Mc Millan Co. of India Limited
- Das, Debajyoti, Biochemistry 2nd ed., 1980, Academic Publishers, India.
- Harper, H. A. et al, A review of physiological chemistry, Los Altos, Lange medical publications, 1985.
- Lehninger, A. L., Principles of Biochemistry
- Orten J. M. & Newhaus O. V, Human Biochemistry, C. V Mosby
- Co. S1. Lois, JSA 1982.
- Chatterjee Textbook of Medical Biochemistry
- Biochemistry, U Satyanarayna, U.Chakrapani 4th edition,

### **Post Graduate Diploma in Nutrition and Dietetics Subject: DIETETICS AND DIET COUNSELLING**

#### **Objectives:-**

The course will enable the students:

1] To understand the etiology, physiologic and metabolic anomalies of acute and chronic diseases and patient needs.

2] To know the effect of the various diseases on nutritional status and nutritional and dietary requirements.

3] To be able to recommend and provide appropriate nutritional care for prevention/ and treatment of the various diseases.

#### **Total workload: 120**

SR. NO.	TOPICS	No. of PERIODS
1.	THERAPEUTIC DIETS:	05
	Basic Concept	
	• Therapeutic Adaptation of Normal Diet	
	Factors Considered	
	Routine Hospital Diets	
	Mode of feeding methods	
	• Role of dietitian in the Hospital and	
	Community	
	Patient Care and Counseling	
2.	DIET IN WEIGHT IMBALANCE AND	08
	COUNSELING:	
	<ul> <li>Obesity and Underweight</li> </ul>	
	Causes	
	Health Risk	
	Dietary Treatment	
	Psychotherapy	
3.	DIET, NUTRIENT AND DRUG	05
	INTERACTION:	
	• Effect of drugs on ingestion, digestion,	
	absorption and metabolism of nutrients.	
	• Effect of food, nutrients and nutritional status	
4	on drug dosage and efficacy.	0.0
4.	DIEI IN FEVER:	08
	Nutrition and infection	
	• Metabolic changes during infection	
	• I yphoid fever	
-	HIV Infection and AIDS	00
5.	ANEWIA Description for a for the second sector in the second sector in the second sector in the second sector in the second se	08
	<ul> <li>Resulting from Acute Hemorrhage</li> </ul>	

	Nutritional anemia	
	• Sielde cell anomia	
	• Sickle cell allellia	
	• Inalassemia	
	• Pathogenesis and dietary management in the	
	above conditions	
6.	FOOD INTOLERANCES AND FOOD	06
	ALLERGY:	
	Adverse food reactions	
	Treatment and Management	
	Prevention	
7.	DIET IN DISEASES OF GASTRO INTESTINAL	13
	TRACT AND COUNSELING:	
	Upper GI Tract Disorders	
	Disorders of Esophagus	
	Disorders of Stomach	
	Lower GI Tract Disorders	
	Common Intestinal Disorders	
	Disorders of Small Intestine	
	Intestinal Brush Border Enzyme Deficiencies	
	Inflammatory Bowel Diseases	
	• Disorders of Large Intestine	
8.	DIET IN LIVER DISEASES AND	10
	COUNSELING:	10
	Hepatitis	
	Cirrhosis of Liver	
	Hepatic coma	
	<ul> <li>Diseases of Gall Bladder</li> </ul>	
	<ul> <li>Diseases of Pancreas</li> </ul>	
0	Discases of Lancicas	10
9.	COUNSELING:	10
	• Glomerulonenhritis	
	Nonhertio Syndrome	
	A sute Denal Failure	
	• Acute Renal Failure,	
	• Chronic Kenal Failure	
	• End Stage Renal Diseases	
10	• Urolithiasis	~ -
10.	NUTRITION IN EATING DISORDERS	05
	• Introduction	
	Anorexia Nervosa	
	Bulimia Nervosa	
	Binge Eating Disorders	
11.	NUTRITION AND NEUROLOGICAL	08
	DISORDERS	
	Parkinson's disease	

	Alzheimer's disease	
	• Epilepsy	
	Migraine	
	Multiple Sclerosis	
	• Neurotrauma	
	Spine trauma	
	• Feeding problems of patients with	
	neurological disorders	
12.	DISEASES OF METABOLIC DISORDER AND	11
	COUNSELING:	
	Diabetes Mellitus	
	• Gout	
13.	DIET IN CARDIOVASCULAR DISEASES AND	12
	COUNSELING:	
	Coronary Heart Diseases (CHD)	
	<ul> <li>Prevalence</li> </ul>	
	<ul> <li>Risk Factors</li> </ul>	
	<ul> <li>Pathophysiology</li> </ul>	
	Dyslipidemia	
	Atherosclerosis	
	Hypertension	
	Angina Pectoris	
	Myocardial infarction	
	Congestive Cardiac Failure	
14.	DIET IN CANCER AND COUNSELING:	11
	• Risk factors	
	Metabolic Alterations and Nutritional	
	Problems related to Cancer	
	Nutritional requirements of Cancer patients	
	related to Cancer Therapy	
	Cancer Prevention	

#### **Reference:** -

- 1. Mahan L. K., Escott- Stump, S. and Raymond J. L. (2012): "Krause's Food and the Nutrition Care Process", 13<sup>th</sup> Edition, Elsevier.
- Ross, A.C., Caballero B., Cousins R. J., Tucker K.L. and Ziegler T. (2014) Modern Nutrition in Health and Disease. Wolters Kluwer Health/ Lippincott Williams and Wilkins. Ed 11<sup>th</sup>
- 3. Garrow, J. S., James, W.P.T. and Ralph, A. (2000): Human Nutrition and Dietetics. 10<sup>th</sup> Edition, Churchill Livingstone.
- 4. Nix Staci (2013) William's Basic Nutrition and Diet Therapy. Elsevier Ed. 14<sup>th</sup>.

### Post Graduate Diploma in Nutrition and Dietetics Subject: HUMAN PHYSIOLOGY

### **Objectives:-**

To enable students to understand the:

- 1. Structure of the cell, various tissues organs of the body
- 2. Different systems of the body and their functions
- 3. Regulation of the body function.

	Total we		
Sr. No.	TOPICS	No. of periods	
1.	ORGANIZATION OF HUMAN BODY	04	
	General anatomy of human body		
	• Structure of cell		
	• Tissues -Structure and functions of various types of tissues		
	Introduction to various systems		
	• Skeletal system,		
	Cavities of body		
2.	DIGESTIVE SYSTEM	08	
	• Brief study of the anatomical organization of the		
	digestive tract		
	Process of digestion, absorption and assimilation of food		
3.	CIRCULATORY SYSTEM	08	
	• Heart Structure and working of heart		
	• Determination of Blood pressure		
	• Cardiac cycle		
	• Cardiac output, Heart rate		
	• Lymphatic system-Composition and Formation.		
	Organs involved, functions of lymph		
4	HEMATOLOGY	06	
	Composition and functions of blood		
	Mechanism of blood coagulation		
	Blood group systems		
5	DEFENSE MECHANISMS OF THE BODY	08	
	First Line, Second And Third Line Of Defense		
	Active Immunity		
	Passive Immunity		

	Factors Affecting Immunity	
6	<b>RESPIRATORY SYSTEM</b> • Basic anatomy of the Respiratory System         • Process of Respiration         • Disorders	06
7	<ul> <li>URINARY SYSTEM</li> <li>Structure and functions of organs of urinary system</li> <li>Composition of normal and abnormal urine</li> </ul>	08
8.	<ul> <li>NERVOUS SYSTEM</li> <li>Structure of Neuron</li> <li>Transmission of nerve Impulse</li> <li>Organs of Central nervous system and their functions</li> <li>Peripheral Nervous system</li> <li>Autonomous Nervous system</li> <li>Reflex Action</li> </ul>	08
9.	REPRODUCTIVE SYSTEM• Introduction• Male Reproductive System• Female Reproductive System	04

#### **References:-**

1. L Antony, C.A (1963), 'Text Book of Anatomy and Physiology', the c.v. Moshy Co., Saint Louis

2. Bell G.H., Davidson, J.N., and Scarborough H. (1972) 'Textbook of Physiology and Biochemistry' London E.S. Livingston Ltd.

3. Best. C.H., and Taylor, R. B. (1965) 'The Living Body', London, Chapman & Hall Ltd.

4. Best. c.H., and Taylor. R.B. (1975), 'The Physiological Basis for Medical Practice' Calcutta, The Williams and Wilkinson Scientific Book Agency.

5. Guytons, AC. (1966), 'Text book of Medical Physiology', London, W.B. Saundes & Co.

6. Rogers, T.S, Elementary (1961), 'Human Physiology', New York, John Willey and Sons, Inc.7. Green, H.(1972), 'An Introduction to Human Physiology' London, Oxford University Press

7. K Sembulingam, Prem Sembulingam. Essentials of Medical Physiology.

### Post Graduate Diploma in Nutrition and Dietetics Subject: PUBLIC NUTRITION

#### **Objectives:-**

To enable the students:

1] To focus on the promotion of good health through nutrition and the primary prevention of nutrition related problems

2] To deal with nutritional epidemiology.

3] To be aware of public policies relevant to nutrition.

## TOTAL WORKLOAD: 60

Sr. No.	TOPICS	No. of PERIODS
1	Public Nutrition:	04
	• Concept	
	• Scope	
	Future Projections	
	• Health Care	
	Role Of Public Nutritionists In Health Care	
	Delivery	
2.	Nutritional Problems in India:	08
	<ul> <li>Protein Energy Malnutrition</li> </ul>	
	<ul> <li>Micronutrient Deficiencies</li> </ul>	
	Vitamin Deficiencies	
3.	Population Dynamics:	08
	• Demography, Demographic Transition and	
	Demographic Cycle	
	Population Structure	
	<ul> <li>Vital Statistics and Implications of Vital</li> </ul>	
	Statistics in Population Growth	
	Population Policy	
	• Relationship between Fertility, Nutrition and	
	Quality of Life	
1	Assessment of Nutritional Status	10
4.	Population Sampling	10
	Anthronometry	
	Clinical Assessment	
	Biochemical Assessment	
	Diotenemical Assessment	
	Dictary Assessment	
5.	Nutrition Monitoring And Nutrition	06
	Surveillance	
	Nutrition Monitoring And Its Current	
	Programmes	
	Nutrition Surveillance System	

6.	<ul> <li>Nutrition Policy and Programmes:</li> <li>Integrated Child Development Services (ICDS) Programme</li> <li>Nutrient Deficiency Control Programme</li> <li>Supplementary Feeding Programme</li> <li>Food Security Programme</li> <li>Self-Employment and Wage Employment Schemes</li> </ul>	08
7.	Strategies to Combat National NutritionalProblems• Introduction• Diet Or Food Based Strategies• Nutrient Based Strategies• Immunization	08
8.	<ul> <li>Nutrition and Health Education:</li> <li>Definition</li> <li>Importance</li> <li>Nutrition Education Methods</li> <li>Teaching aids used in Nutrition Education</li> <li>Mass communication media used in Nutrition Education</li> <li>Nutrition Education through Educational Institutions</li> <li>Role Of Nutrition Education Programs In Eradication Of Malnutrition</li> </ul>	08

#### **REFERENCES:**

- 1. Beaton GH and Bengoa JM. Nutrition in Preventive Medicine. WHO (1976).
- FAO/WHO. Preparation and use of food based dietary guidelines. Report of a joint FAO/WHO consultation: Nicosia, Cyprus. Nutrition Programme, WHO, Geneva (1996).
- 3. Gibney M. J., Margetts B. M., Kearney J. M. and Arab L. Public Health Nutrition. Blackwell Publishing Company (2013).
- 4. National Nutrition Policy. Department of Women and child Development. Ministry of Human Resource Development, New Delhi, Government of India, 1993.
- 5. Park.K. (2017) Park's Textbook of Preventive and Social Medicine, 24<sup>th</sup> ed. M/s Banarsida Bhanot, Jabalpur.
- 6. Jelliffe, D. B and Jelliffe, E.F.P. (1989) Community Nutritional Assessment, Oxford University Press.
- 7. Wadhwa, A. and Sharma, S. (2003) Nutrition in the Community A text book SCN News, UN ACC/SCN Subcommittee on Nutrition

### Post Graduate Diploma in Nutrition and Dietetics

# Subject: INSTITUTIONAL FOOD MANAGEMENT

#### **Objectives:-**

To enable the students:

1. To develop food service management skills,

2. To develop professional approach backed by special skills, knowledge and vigilance at every stage of food service operation'

3. To acquire specific knowledge about training and/ or developing manpower in food service unit.

#### Total workload: 60

Sr.	TOPICS	No of PERIODS
No.		
1	Institutional Food Management	10
	• Evolution of food service industry	
	Principles of Management	
	Functions of Management	
	Organization Chart	
	Leadership	
2	Management of Spaces	06
	Kitchen Spaces	
	Storage Spaces	
	Service Spaces	
3	Equipment	10
	Catering Equipment	
	• Selection of Equipment	
	• Equipment Design, Installation and	
	Operation	
	Purchasing Equipment	
	• Care and Maintenance of Equipment	
4	Food Management	12
	Characteristic of foods	
	Food Purchasing	
	Menu Planning	
	Food Production	
	Food Service	
	Dishwashing	
5	Financial Management	08
	• Definition and Scope	

	Cost Concepts	
	Cost Control	
	• Pricing	
6	Personnel Management	08
	Introduction	
	• Recruitment, Selection and Induction	
	<ul> <li>Training and Development</li> </ul>	
7	Hygiene, Sanitation and Safety	06
	Hygiene and Sanitation	
	• Safety	
	Food Standards in India	

#### **Reference:**

- Sethi Mohini. 2<sup>nd</sup> Edition. (2016) Institutional Food Management, New Age International Publishers.
- 2. Sethi M. and Malhan S.– 3<sup>rd</sup> Edition (2015) Catering Management An Integrated Approach. New Age International Publishers.
- 3. Arora R. K. (2007). Food Service and Catering Management. A.P.H. Publishing Corporation, New Delhi.
- 4. Kinton R. and Ceserani V. (1992). The Theory of Catering. ELBS with Hodder and Stoughton.
- 5. Scanlon N.L. (2007). Catering Management. John Wiley and Sons, Inc.

		Total workload: 120
Sr. No.	Practical	No. of Periods
1.	Standardization of portion sizes for different food preparations.	08
2.	<ul> <li>Routine Hospital Diets</li> <li>To plan a Clear Liquid diet.</li> <li>To plan a Full Liquid Diet.</li> <li>To plan a Soft Diet.</li> </ul>	12
3.	<ul> <li>Diet In Weight Imbalance And Counseling:</li> <li>To plan a diet for Obesity.</li> <li>To plan a diet for Underweight.</li> </ul>	08
4.	<ul> <li>Diet In Fever:</li> <li>To plan a diet for Typhoid fever.</li> <li>To plan a diet for Tuberculosis.</li> <li>To plan a diet for HIV Infection and AIDS.</li> </ul>	12
5.	To plan a diet for Nutritional Anemia	04
6.	<ul> <li>Diet in Diseases of Gastro Intestinal Tract and Counseling: <ul> <li>To plan a diet for Peptic Ulcer.</li> <li>To plan a diet for Lactose Intolerance.</li> <li>To plan a diet for Coeliac Disease.</li> <li>To plan a diet for Constipation.</li> <li>To plan a diet for Diarrhea.</li> <li>To plan a diet for Uncreative Colitis.</li> </ul> </li> </ul>	20
7.	<ul> <li>Diet In Liver Diseases And Counseling:</li> <li>To plan a diet for Hepatitis.</li> <li>To plan a diet for Cirrhosis of Liver.</li> <li>To plan a diet for Hepatic coma.</li> <li>To plan a diet for Cholelithiasis and Cholecystitis.</li> <li>To plan a diet for Pancreatitis.</li> </ul>	14
8.	<ul> <li>Diet in Kidney Diseases and Counseling:</li> <li>To plan a diet for Nephrotic Syndrome.</li> <li>To plan a diet for Acute Renal Failure.</li> <li>To plan a diet for End Stage Renal Diseases</li> </ul>	14

	• To plan a diet for Urolithiasis.	
9.	<ul> <li>Diseases of Metabolic Disorder and Counseling:</li> <li>To plan a diet for IDDM.</li> <li>To plan a diet for NIDDM.</li> <li>To plan a diet for Gout.</li> </ul>	12
10.	<ul> <li>Diet in Cardiovascular Diseases and Counseling:</li> <li>To plan a diet for Dyslipidemia.</li> <li>To plan a diet for Hypertension.</li> <li>To plan a diet for Myocardial infarction.</li> </ul>	12
11.	To plan a diet for Cancer.	04

		Total workload: 60
Sr. No.	Practical	No of Periods
1.	<ul> <li>Quantity Cooking: Basic Principles</li> <li>Market Survey</li> <li>Analysis of the relationship between the purchased amount, edible portion and cooked weight of foodstuffs</li> <li>Standardized Recipe</li> </ul>	12
2.	<ul> <li>Planning Meals for Institutional Feeding:</li> <li>Planning a Mid-Day Snack for preschool Children.</li> <li>Planning Meals for College Canteen</li> <li>Planning meals for College Hostel Mess</li> <li>Planning meals for Working Women Hostel.</li> </ul>	14
3.	<ul> <li>Planning and Organization for Industrial Catering: <ul> <li>Planning Meals for Industrial Canteen.</li> <li>Planning Meals for Railway Base Kitchen.</li> </ul> </li> </ul>	08
4.	<ul> <li>Catering for Special Occasions and Events:</li> <li>Planning Meals for a Birthday party.</li> <li>Planning Meals for a Cocktail party.</li> <li>Planning Meals for a Convention/ Conference.</li> </ul>	10
5.	<ul> <li>Preparation of Prospectus for Setting Up A Food Service Unit:</li> <li>Visit to a food service establishment to study its planning and functioning</li> <li>Preparing a planning prospectus to set up a food service unit</li> </ul>	06

# Lab Course II

6.		6-	
ər.		Sr.	
No.	Old Course	No.	New Course
1	<b>Clinical Nutrition</b>	1	Field Work
2	Nutritional Biochemistry	2	Nutritional Biochemistry
	·		
3	Dietetics and Diet Counseling	3	Dietetics and Diet Counseling
-			g
Λ	Human Physiology	1	Human Physiology
-	ffulliali f llyslology	-	iiuman i nysiology
5	Public Nutrition	5	Public Nutrition
5	I upite internition	J	
6	Food Service Management	6	Institutional Food Management
7	Lab Course I	7	Lab Course I
-		•	
8	Lab Course II	8	Lab Course II
9	<b>Dissertation and Seminar</b>	9	Dissertation and Seminar
-		-	

#### EQUIVALANCE FOR PGDND COURSE