# Shri Rawatpura Sarkar University, Raipur



# **Examination Scheme & Syllabus**

## For

## **BBA** (Hotel Management)

# Semester-(I)

(Effective from the session: 2022-23)

## **BBA Hotel Management Programme**

## Scheme of Teaching and Examination

### **BBAHM First Semester**

Choice Based Credit System (CBCS)

(Effective from the Academic Year 2022-2023)

S.No			Hours / Week				Maxir	ks	Sem End	
Course Code		Course Title	L	Т	T P Credits		Continuous Evaluation	Sem End Exam	Total	Exam Duration (Hrs)
1	BBAHM101T	Basics of Food Production I	3	1	-	4	30	70	100	3
2	BBAHM101P	Basics of Food Production I	-	-	2	1	30	70	100	-
3	BBAHM102T	Basics of Food & Beverage Service I	3	1	-	4	30	70	100	3
4	BBAHM102P	Basics of Food & Beverage Service I	-	-	2	1	30	70	100	-
5	BBAHM103T	Basics of Hotel Housekeeping I	3	1	-	4	30	70	100	3
6	BBAHM103P	Basics of Hotel Housekeeping I	-	-	2	1	30	70	100	-
7	BBAHM104T	Basics of Front Office-I	3	1	-	4	30	70	100	3
8	BBAHM104P	Basics of Front Office-I	-	-	2	1	30	70	100	-
9	BBAHM105T	General English & Communicatio n	-	-	2	2	30	70	100	3
10	BBAHM106T	Nutrition	2	-	-	2	30	70	100	3
						24			1000	



Course Title	<b>Basics of Food Production – I (Theory)</b>								
Course Code	BBAM1	BBAM101T							
<b>Course Credits</b>	L	Т	Р	ТС					
	3	1	1	5					
Prerequisites	Basic cor	icept (	of foo	d productio	n				
Course Objectives	<b>^</b>		0	& interest i service role	n basic Indian food production & prepare students for each es.				
Course Contents	UNIT – I INTRODUCTION TO COOKERY								
	A	. Orig	gin of	Modern Co	ookery & Culinary History				
	E	. Lev	els of	skills and e	experiences				
	C	C. Atti	tudes	and behavi	or in the kitchen				
	E	D. Pers	sonal l	nygiene					
	E	. Uni	forms	& protectiv	ve clothing				
	F	. Safe	ety pro	cedure in h	andling equipment				
	τ	JNIT -	- II						
	E	HER	ARCH	IY AREA	OF DEPARTMENT AND KITCHEN				
	A. C	Classic	cal Bri	gade					
	B. N	loder	n staff	ing in vario	bus category hotels				
	C. R	loles o	of exe	cutive chef					
	D. E	Outies	and re	esponsibilit	ies of various chefs				
	E. Co-operation with other departments Selection of title								
	UNIT – III								
	A	IMS	& OF	BJECTS O	F COOKING FOOD				
		A. Aiı	ns and	l objectives	of cooking food				
	1	3. Va	rious t	extures					



2022-23
C. Various consistencies
D. Techniques used in pre-preparation
E. Techniques used in preparation
F. List of culinary (common and basic) terms
G. Explanation with example
UNIT – IV
<b>BASIC PRINCIPLES OF FOOD PRODUCTION – I</b>
i) VEGETABLE AND FRUIT COOKERY
A. Introduction – classification of vegetables
B. Pigments and colour changes
C. Effects of heat on vegetables
D. Cuts of vegetables
E. Classification of fruits
F. Uses of fruit in cookery
G. Salads and salad dressings
ii) STOCKS
A. Definition of stock
B. Types of stock
C. Preparation of stock
D. Recipes
E. Storage of stocks
F. Uses of stocks
G. Care and precautions
iii) SAUCES
A. Classification of sauces
B. Recipes for mother sauces
C. Storage & precautions
iv) SOUPS
A. Classification with examples
B. Basic recipes of Consommé with 10 Garnishes



	UNIT – V METHODS OF COOKING FOOD A. Roasting B. Grilling C. Frying D. Baking E. Broiling F. Poaching G. Boiling • Principles of each of the above • Care and precautions to be taken • Selection of food for each type of cooking
Course Outcomes	<ul> <li>Course Outcome: Student will be able to</li> <li>1. Develop knowledge &amp; interest in basic Indian food production.</li> <li>2. Know different equipment used in cooking.</li> <li>3. Understand basic skills required in the food production department</li> <li>4. The students after completing the Diploma Hotel Management Studies will be competently skilled in taking up operational and supervisory roles in all the four core areas of the Hotel Industry.</li> <li>5.Student will be able to understand basic principles of baking</li> </ul>
Text Books	<ol> <li>Food Production Operations Book by Chef Parvinder S Bali</li> <li>International Cuisine &amp; Food Production Management by Chef Parvinder S Bali</li> <li>Theory of Cookery by chef Krishna Arora</li> </ol>
Reference Books	<ol> <li>Quantity Food Production Operations and Indian Cuisine</li> <li>Theory of Bakery and Patisserie by Parvinder S Bali</li> <li>Principles of Food Production Operation by Yogesh Sinha.</li> </ol>



	2022-25
Assignments	Assignment 1: Write about 10 famous chefs in world
	Assignment 2: Write about different equipments used in kitchen and classify them with pictures
	Assignment 3: Write about weight and volume equivalents
	Assignment 4:Write about different methods of cooking used with example of each method Assignment 5: Write on hygiene and skills required in kitchen



Course Title		Basics of Food Production – I ( Practical)							
Course	e Code	BBAHM101P							
S.No		Торіс	Method	Hours					
1	Uses & l ii) Hyg handling	iene - Kitchen etiquettes, Practices & knife	Demonstrations & simple applications	2					
2	Vegetables – classificationDemonstrations & simpleii) Cuts - julienne, jardinière, macedoines, brunoise, payssane, mignonette, dices, cubes, shred, mirepoixDemonstrations & simple applications by studentsiii) Preparation of salad dressingsDemonstrations by students								
3	Egg cookery - Preparation of variety of egg dishes Boiled (Soft & Hard) Fried (Sunny side up, Single fried, Bull's Eye, Double fried) Poaches Scrambled Omelet (Plain, Stuffed, Spanish) En cocotte (eggs Benedict) Demonstrations & simple applications by students								
4	Simple S root sala	Demonstrations & simple applications by students	2						
5	BREAD MAKING Demonstration & Preparation of Simple and enriched bread recipes Bread Loaf (White and Brown) Bread Rolls (Various shapes) French Bread BriocheDemonstrations & simple applications by students								
6	6 Sauces - Basic mother sauces Béchamel Espagnole Veloute Hollandaise Mayonnaise TomatoDemonstrations & simple applications								
7	SOUPS A. Classification with examples B. Basic recipes of Consommé with 10 GarnishesDemonstrations & simple applications by students2								



	DACTO								
Course Title	BASIC OF FOOD AND BEVERAGE SERVICE – I (Theory)								
Course Code	BBAHM102T								
<b>Course Credits</b>	L	Т	Р	ТС					
Course creans	3	1	1	5					
Prerequisites	Basic kno	owled	ge of l	Food & Bey	verage.				
Course Objectives	The objective of Food Production is concerned with planning, directing and controlling the kind, amount, location, movement and timing of various flows of Food Production used in and produced by the process.								
	UNIT – I		8-04	TEDING	INDUCTOV				
	THE HO	TEL	<b>a</b> CA	ALEKING	INDUSTRY				
	A. Introd	luctio	n to th	e Hotel Ind	ustry and Growth of the hotel Industry in India				
	B. Role of	B. Role of Catering establishment in the travel/tourism industry							
	C. Types of F&B operations								
	D. Classification of Commercial, Residential/Non-residential								
	E. Welfa	re Ca	tering	- Industrial	/Institutional/Transport such as air, road, rail, sea, etc.				
F. Structure of the catering industry - a brief description of each					stry - a brief description of each				
	UNIT – I	I							
	<b>DEPARTMENTAL ORGANISATION &amp; STAFFING</b>								
<b>Course Contents</b>	A. Organization of F&B department of hotel								
	<ul><li>B. Principal staff of various types of F&amp;B operations</li></ul>								
	C. French terms related to F&B staff								
	D. Duties & responsibilities of F&B staff								
	E. 7	E. Attributes of a waiter							
	F. Inter-departmental relationships (Within F&B and other department)								
	UNIT – I	UNIT – III							
	FOOD SERVICE AREAS (F & B OUTLETS)								
	A. S	pecia	lty Re	staurants					
	В. С								
	C. (	Cafete	eria						



- D. Fast Food (Quick Service Restaurants)
- E. Grill Room
- F. Banquets
- G. Bar
- H. Vending Machines
- I. Discotheque

#### **II ANCILLIARY DEPARTMENTS**

- A. Pantry
- B. Food pick-up area
- C. Store
- D. Linen room
- E. Kitchen stewarding

#### $\mathbf{UNIT} - \mathbf{IV}$

#### F & B SERVICE EQUIPMENT

Familiarization & Selection factors of: -

- Cutlery
- Crockery
- Glassware
- Flatware
- Hollowware
- All other equipment used in F&B Service
- French terms related to the above

#### UNIT – V

#### NON-ALCOHOLIC BEVERAGES

- Classification (Nourishing, Stimulating and Refreshing beverages)
  - A. Tea
    - Origin & Manufacture Types & Brands
  - B. Coffee –

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SRU CONTRACTOR	

भर्मसम् प्रदेशसम् अवस्थ	2022-23						
	Origin & Manufacture - Types & Brands						
	C. Juices and Soft Drinks						
	D. Cocoa & Malted Beverages –						
	Origin & Manufacture						
	Course Outcomes: Student will be able to						
	1. Develop knowledge & interest in Food and Beverage Service basic practices.						
	2. Know different equipment used in Restaurant						
<b>Course Outcomes</b>	3. Understand basic skills required in the Food and Beverage Service department.						
	4. To know and understand and make the various cocktails using alcoholic and non alcoholic beverages.						
	5. To know about the buffet service and equipments.						
Text Books	1. Food & Beverage Service Book by R. Singaravelavan.						
TEAT DOORS	2. Food & Beverage Management by Peter Alcott						
	Recommended						
<b>Reference Books</b>	1. Food & Beverage Service Book by R. Singaravelavan.						
Kelefence Dooks	2. Food & Beverage Service by John Cousin.						
	1. Mise en Place Activity						
	2. Silver Service/ Serving Lunch						
	3. Handling of Tray and Salver						
	4. Rules of Laying a guest Table						
Practical	5. Room Service Tray and Trolley Setup						
	6. Setting Up Various Buffets						
	7. Dining Etiquettes & Table Manners						
	8. Pantry Operations						
	9. Service of Indian & Regional Dishes						
	Assignment 1: To find 02 suppliers of Restaurant equipments in Raipur city.						
	Assignment 2: To find the prices of various equipments used in restaurant.						
<b>.</b> • <i>. .</i>	Assignment 3: Collect at least 2 menus each of – Indian Restaurants, Institutional and Industrial canteens						
Assignment	Assignment 4: Plan an Indian menu for a restaurant.						
	Assignment 5: To identify different types of services used in various Food and beverage outlets in Raipur city (any 05)						



Course Title Course Code Prerequisites Course Objective		BASIC OF FOOD AND BEVERAGE SERVICE – I (Practical) BBAHM102P							
		Food and Beverage Services <i>covers</i> all the aspects of food and beverage department starting from understanding of the industry, organization of the department, menu served, various service procedures, managing cordial relations with customers							
		S.No		Торіс	Hours				
1	Food Ser	vice areas – Induction & Profile of the areas	2						
2	Ancillary	F&B Service areas – Induction & Profile of the areas	2						
3	Familiari	zation of F&B Service equipment	2						
4	Care & N	Aaintenance of F&B Service equipment	2						
5	Coffee - I	Preparation & Service	2						
6	Task-02:           Task-03:           Task-04:           Task-05:           Task-06:           Task-07:           Task-08:           Task-08:           Task-09:           Task-10:	Holding Service Spoon & Fork Carrying a Tray / Salver Laying a Table Cloth Changing a Table Cloth during service Placing meal plates & Clearing soiled plates Stocking Sideboard Service of Water Using Service Plate & Crumbing Down Napkin Folds Changing dirty ashtray Cleaning & polishing glassware	2						
7	Tea – Preparation & Service								
8		Soft Drinks - Preparation & Service ails · Juices, Soft drinks, Mineral water, Tonic water							



Course Title	BASICS OF HOUSEKEEPING – I (Theory)							
Course Code	BBAHM103T							
	L	Т	Р	тс				
<b>Course Credits</b>	3	1	1	6				
Prerequisites	Basic kno	wled	ge of I	House Keep	ping operation management.			
	• Provide	an ov	verviev	w of the key	y issues of housekeeping and maintenance management.			
Course Objective	• Unders housekeep		the t	heoretical	and practical knowledge that constitutes the work of			
	• Illustrate the complexities and demands of working in the industry through the scope of housekeeping							
	UNIT – I							
	A.THE ROLE OF HOUSEKEEPING IN HOSPITALITY OPERATION							
	Role of Housekeeping in Guest Satisfaction and Repeat Business							
	B.ORGANISATION CHART OF THE HOUSEKEEPING DEPARTMENT							
	A. Hierarchy in small, medium, large and chain hotels							
	B. Identifying Housekeeping Responsibilities							
	C. Personality Traits of housekeeping Management Personnel.							
	D. Duties	and	Respo	nsibilities o	f Housekeeping staff			
	E. Layout of the Housekeeping Department							
<b>Course Contents</b>	UNIT – II							
	CLEANING ORGANISATION							
	A. Principles of cleaning, hygiene and safety factors in cleaning							
	B. Methods of organizing cleaning							
	C. Frequency of cleaning daily, periodic, special							
	D. Design features that simplify cleaning							
	E. Use and care of Equipment							
	UNIT – I	II						
	CLEANI	NG A	AGEN	TS				
	A. Genera	ıl Cri	teria fo	or selection				
	B. Classi	ficati	on					



	C. Polishes					
	D. Floor seats					
	E. Use, care and Storage					
	F. Distribution and Controls					
	G. Use of Eco-friendly products in Housekeeping					
	COMPOSTION, CARE AND CLEANING OF DIFFERENT SURFACES					
	A. Metals					
	A. Metals B. Glass					
	C. Leather, Leatherites, Rexines D. Plastic					
	E. Ceramics					
	F. Wood					
	G. Wall finishes					
	H. Floor finishes					
	UNIT – V					
	INTER DEPARTMENTAL RELATIONSHIP					
	A. With Front Office					
	B. With Maintenance					
	C. With Security					
	D. With Stores					
	E. With Accounts					
	F. With Personnel					
	G. Use of Computers in House Keeping department					
	G. Ose of Computers in House Reeping department					
	1. Develop knowledge & interest in basic practices of Housekeeping					
	2. Know different equipment used in Housekeeping					
<b>Course Outcomes</b>	3. Understand basic skills required in the Housekeeping department.					
	4. To understand the tactics of Handling Guest Complaints at Housekeeping department.					
	5. To find out environmental friendly practices in housekeeping department					
	1. Hotel House Keeping Operations and Management by G. Raghubalan and Smritee					
Text Books	Raghubalan					



	2022-23				
	2. Hose keeping Management by Matt A. Casado				
	3. Managing House Keeping Operations by Aleta Nitschke and William D. Frye				
	1 Hotel House Keeping exerctions by Seilender Dei and Debit Dicht				
	1. Hotel House Keeping operations by Sailender Rai and Rohit Bisht				
Defenence Deeler	2. Hotel Hospital and Hostel House Keeping by Joan C Branson				
<b>Reference Books</b>	3. Front Office Operations – Colin Dix & Chris Baird.				
	Assignment 1: Name and draw the Diagrams of 10 Manual Cleaning equipments along with their usage				
	Assignment 2: Name and draw the Diagrams of 10 Mechanical Cleaning equipments along with their usage				
Assignments	Assignment 3: Draw the Layout of Housekeeping Department and briefly explain its sections. Assignment 4: Draw the Hierarchy / Organizational structure of Housekeeping department of Small, Medium and Large sized Hotels.				
	Assignment 5: Name the Facilities and Amenities offered in guest room by Hotels and explain in brief.				
	Assignment 6: Write in brief about the different functions of Housekeeping Department.				
	1				



Course Title		BASICS OF HOUSEKEEPING – I ( Practical)						
Course (	Code	BBAHM103P						
Prerequi	isites	Basic knowledge of Accommodation operation management.						
Course (	Objective	The objective of this course is to make student understand about how to achieve organizational goals						
S.No		Торіс	Hours					
1	<ul> <li>Single r</li> <li>Double</li> <li>Twin ro</li> </ul>	room	2					
2	Suite     Guest Room Supplies and Position     Standard room     Suite     VIP room special amenities							
3	Cleaning Familiari • Differe • Functio	Equipment-(manual and mechanical) zation nt parts	2					
4	Cleaning • Familian • Function	rization according to classification	2					
5	Maid's tro • Conten • Trolley	ts	2					
6	• Trolley setup       2         Familiarizing with different types of Rooms, facilities and surfaces       •         • Twin/ double       •         • Suite       •         • Conference etc       2							



	2022-23												
Course Title	Basic Front Office- I (Theory)												
Course Code	BBAHM104T						BBAHM104T						
	L	Т	Р	тс									
<b>Course Credits</b>	3	1	1	6									
Prerequisites	Basic Fur	ndame	entals	of Front Of	fice.								
Course Objectives	At the end of the semester the students will be able to – Understand the various types of hotels and their features Explain the structure of Front Office Department Develop clear concept about Accommodation facilities Handle Reservation activities Deal effectively with Guests & Colleagues Maintain Personal Care & Safety.												
Course Contents	A. Touris B. Hospit C. Hotels D. Brief i UNIT – I CLASSII A. S B. S C. L D. C E. II F. M G. C H. F I. S	DUCI m and ality , their ntrod I FICA ize tar .ocatic Owner ndepee Ianag Chains Franch upple Fime	d its in and its evolu uction <b>TION</b> on & c ship b ndent gementa sise/Af	nportance s origin ation and gr to hotel co <b>NOF HOT</b> clientele asis hotels t contracted filiated ary accomm and condor	re areas with special reference to Front Office.								



	2022-23
	D. Suits
	TIME SHARE & VACATION OWNERSHIP
	A. What is time share? Referral chains & condominiums
	B. How is it different from hotel business?
	C. Classification of timeshares
	D. Types of accommodation and their size
	UNIT – IV
	FRONT OFFICE ORGANIZATION
	A. Function areas
	B. Front office hierarchy
	C. Duties and responsibilities
	D. Personality traits.
	BELL DESK
	A. Functions
	B. Procedures and records
	UNIT – V
	HOTEL ENTRANCE, LOBBY AND FRONT OFFICE
	A. Layout
	B. Front office equipment (non automated, semi-automated and automated
	<b>1</b> . Have an understanding of the modern day history of the hotel industry and the factors that drive the industry
Course	2. Able to articulate the difference in ownership and management in the hotel industry
Outcomes	<b>3.</b> Have an understanding of the importance of forecasting, revenue management and reservation technologies and the impact it has on a hotel
	<b>4.</b> To have a basic understanding of customer service and the confidence level to handle customer complaints



	<b>5.</b> Follow basic hotel accounting procedures ranging from posting accounts to conducting cash and check transactions at the front desk				
	<ul><li>1.Legal Aspect of Hospitality Management Second Edition, By John E.H. Sherry, Publisher Wiley &amp; sons</li><li>2.Hospitality Management: Current Trends &amp; Practices by Dr. JM Negi, Amity University</li></ul>				
Text Books	Press, New Delhi				
	3.Front Office Management by Mr. Sbhal Nagar				
	4.Front Office by Abbott, Butter Worth Hiemann				
Reference	1.Front Office Operations: Jatashankar Tewari				
Books2.Front Office Management by Bardi, John Willy and Sons					
	Assignment 1: Write names of 50 countries along with names of their Continents, Capital Cities and Currencies.				
	Assignment 2: Write names of all States and Union Territories of India along with names of their Capital Cities, Languages and Chief Ministers.				
Assignments	Assignment 3: Write names of 50 Best International Airports along with their Locations and Name of Countries.				
	Assignment 4: Writes names of 50 Best Tourist Destinations of the world along with their Locations and Names of Countries.				
	Assignment 5: Writes names of 50 Best Tourist Destinations in India along with their Locations and Names of States.				
	Assignment 6: Write names of 25 International Hotel Chains along with their countries of Origin.				



Course T	itle	Basic Front Office – I (Practical)								
Course C	code	BBAHM104P								
Prerequisites		Explain and discuss front office accounting procedures, checkout and settlement procedures, night audit functions and verification								
Course Objective		The objective of this course is to make student understand about understanding of the modern day history of the hotel industry and the factors that drive the industry								
S.No		Торіс	Hours							
1	Appraisal of front office equipment and furniture									
2	Rack, Fro	ack, Front desk counter & bell desk 2								
3	Filling up of various Performa									
4	Welcomin	ng of guest	2							
5	Telephon	e handling	2							
6	• Messag	ation s ge handling ge and mail handling								
	Paging	2								



Course Title	General English and Communication (Theory)					
Course Code	BBAHM105T					
	L	Т	Р	ТС		
Course Credits		2		2		
Prerequisites	Basic Cor	mmui	nicatio	on Knowled	ge for smooth operations	
Course Objectives	<ul> <li>The student will be able to understand communication process</li> <li>The student will be able to understand Communication Effectiveness.</li> <li>The student will able to identify various issues in business communication</li> </ul>					
Course Contents	<ul> <li>A. Meani</li> <li>B. Nature</li> <li>C. Types</li> <li>D. Scope</li> <li>E. Barrier</li> <li>F. Active</li> </ul> UNIT – I EFFECT <ul> <li>A. Effecti</li> <li>B. Prepar</li> <li>C. Eleme</li> <li>D. Non v</li> <li>E. Body 1</li> <li>F. Gestur</li> </ul> UNIT – I BUSINES	CTI ng of co control of co control	ommu ommu effecti ening PRES resenta nd del resenta d del reffec comr age l hand	nication nication ve commun Skills SENTATIC ation skills ivering present nunication movement UNICATIO ness commu	ON SKILL eentations ations s	



	2022-23
	UNIT – IV A. Channels of Communication B. Types of Communication C. Dimensions of Communication D. Barriers to communication E. Principles of Communication
	<ul> <li>F. Importance of Business Communication</li> <li>UNIT – V</li> <li>Spoken Skills, Conducting Presentation, oral presentation debates, speeches interviews, Group Discussion, Listening: Importance of listening, Types of Listening, Develop Listening Skills</li> </ul>
Course Outcomes	<ol> <li>Apply the practical knowledge of using action words in sentence construction</li> <li>Apply and analyze the right kind of pronunciation with regards to speech sounds and able to get different types of pronunciations.</li> <li>Understand the importance of pronunciation and apply the same day to day conversation.</li> <li>Students will increase their reading speed and comprehension of academic articles</li> <li>Analyze the different parameters and formats of written technical communication and apply in everyday work and life.</li> </ol>
Text Books	<ol> <li>Food Science and Nutrition by Sunetra Roday</li> <li>Prescription for Nutritional Healing Pgylis A Balch</li> </ol>
Reference Books	<ol> <li>The Science of Nutrition: Debunk the Diet Myths and Learn How to Eat Well for Health and Happiness Alexander by Book by Rhiannon Lambert</li> <li>Fundamentals of Food and Nutrition by Teejmeet Rekhi &amp; Heena Yadav</li> <li>Food and Nutrition by Don Ross.</li> </ol>
Assignment	Assignment 1 Read newspaper articles related to hospitality Assignment 2 Letter writing Assignment 3 Writing memorandum Assignment 4 Writing a notice Assignment 5 Role play about how to improve communication Assignment 6 Role play about how to eliminate gap while doing business communication



С	2022-25								
Course Title	Nutrition (Theory)								
Course Code	BBAHM106T								
	L	Т	Р	тс					
Course Credits		2		2					
Prerequisites				om foundat th and dise	tional sciences as a basis for understanding the role of food ase.				
Course Objectives	This covers the areas of foods and nutrition from a scientific approach. Studies prepare students for many science, dietetics, food industry, and health-related careers. Producing, processing, preparing, evaluating, and using food are all aspects of this field.								
	UNIT – I BASIC ASPECTS A. Definition of the terms Health, Nutrition and Nutrients								
	<ul><li>B. Importance of Food – (Physiological, Psychological and Social function of food) in maintaining good health.</li><li>C. Classification of nutrients</li></ul>								
	UNIT – II								
	ENERGY								
	A. Definition of Energy and Units of its measurement (Kcal)								
	B. Energy contribution from macronutrients (Carbohydrates, Proteins and Fat)								
C	C. Factors affecting energy requirements								
Course Contents	D. Concept of BMR, SDA, Thermodynamic action of food								
	E. Dietary sources of energy								
	F. Concept of energy balance and the health hazards associated with Underweight, Overweight								
	UNIT – I	UNIT – III							
	MACRO N	MACRO NUTRIENTS							
	Carbohy	drate	es						
	• Definition Classification (mono, di and polysaccharides)								
	•	Dieta	ry Sou	irces					
	• Functions								
	• Significance of dietary fiber (Prevention/treatment of diseases)								



#### Lipids

- Definition Classification : Saturated and unsaturated fats
- Dietary Sources
- Functions
- Significance of Fatty acids (PUFAs, MUFAs, SFAs, EFA) in
- maintaining health Cholesterol Dietary sources and the Concept of dietary and blood
- cholesterol

#### Proteins

- Definition
- Classification based upon amino acid composition
- Dietary sources
- Functions
- Methods of improving quality of protein in food (special emphasis
- on Soya proteins and whey proteins)

## UNIT – IV BALANCED DIET

- Definition
- Importance of balanced diet
- RDA for various nutrients age, gender, physiological state

#### UNIT – V

#### MENU PLANNING

- Planning of nutritionally balanced meals based upon the three food• group system Factors affecting meal planning
- Critical evaluation of few meals served at the Institutes/Hotel based on the principle of meal planning.
- Calculation of nutritive value of dishes/meals



Course Outcomes	<ol> <li>Students will be able to demonstrate critical thinking skills and analytical abilities to identify and solve problems in the nutritional sciences.</li> <li>Utilize knowledge from foundational sciences as a basis for understanding the role of food and nutrients in health and disease.</li> <li>Students will be able to critique and effectively communicate nutrition information.</li> <li>Students will be able to describe social, multiethnic, and environmental dimensions within nutrition and the life sciences.</li> <li>Explain the function of carbohydrates, fat, proteins, vitamins, minerals, and water and their role in promoting and maintaining health.</li> <li>Assess the effects of diet foods, food additives, and eating disorders on wellness.</li> </ol>
Text Books	<ol> <li>Food Science and Nutrition by Sunetra Roday</li> <li>Prescription for Nutritional Healing Pgylis A Balch</li> </ol>
Reference Books	<ol> <li>The Science of Nutrition: Debunk the Diet Myths and Learn How to Eat Well for Health and Happiness Alexander by Book by Rhiannon Lambert</li> <li>Fundamentals of Food and Nutrition by Teejmeet Rekhi &amp; Heena Yadav</li> <li>Food and Nutrition by Don Ross.</li> </ol>
Assignments	Assignment 1: New Trends in Food Science and Nutrition Assignment 2 Methods of Food Preservation Assignment 3 Factors affecting food spoilage Assignment 4 Menu Planning, Principles importance and considerations Assignment 5 Macro Micro Nutrients theirs functions source and importance Assignment 6 Metabolism of protein carbohydrates and Fats



MAXIMUM MARKS: 100 DURATION: 3HRS	PASS MARKS: 50
All Technical Skills to be tested	as listed in the syllabus
MA	RKS
1. Uniform / Grooming	: 10
2. Service Equipment Knowledge / Identification	: 20
3. Care Cleaning & Polishing of service equipment	: 20
4. Service skills / tasks	: 20
5. Beverage service Tea / Coffee / Soft drinks	: 20
6. Journal	: 10
	100
NOTE:	

2. During table service each guest should pose one question to the candidate on the item being served. The invigilators can brief guests prior to service.