THEORY:

Unit-1: Importance of kitchen in Hotel & Catering establishments; Aims and objectives of Cooking, classification of raw materials, preparation of ingredients, methods of mixing foods, effect of heat on various foods, weighing and measure, texture of food, Culinary terms.

Unit-2: Methods of cooking with special application to meat, fish, vegetables, cheese, pulses and egg. Conventional and non-conventional methods of cooking, solar cooking, microwave cooking, fast food operation. Varieties of fish, meat and vegetables. Accompaniments, garnishes and rechauffe.

Unit-3: Balancing of recipies, standardisation of recipies, standard yield, maintaining recipe files. Menu planning, portion control, brief study of how portions are worked out. Invalid cookery. Purchasing specifications, quality control, Indenting and Costing.

Unit-4: Description and use of the following: Basic stocks, Aspics & Jellies. Roux blance, Roux blond and Roux brun. Recipies and quantities required to produce 10 litres of stock, white & brown. Recipies required to produce one litre of the following: Bechamel sauce, tomato sauce, veloute sauce, espagnole sauce, Hollandaiac and maynnaise sauce with the necessary precautions to be observed while preparing these, with minimum five derivatives of each. Soup – Definition, classification of soups with example in each group, recipe for one litre consomme, 10 popular consommes with their garnishes.

Unit-5: Eggs – Structure, selection of quality, various ways of cooking eggs with example in each method and prevention of blue ring formation.

Unit-6: Vegetables – Effect of heat on different vegetables in acid/alkaline medium and reaction with metals. Method of cooking different vegetables with emphasis on cooking asparagus, artichokes, brussel sprouts.

Unit-7: Theory of Bread making, Bread rolls, Bread sticks, Indian Breads.


Unit-9: Kitchen stewarding and upkeep of equipment.

Unit-10: Staff organisation of Kitchen, coordination with the Departments.
**COOKERY - PRACTICALS**

Familiarisation of tools / equipment and their use.

**Indian**

- Rice: 08 varieties
- Indian Bread: 10 varieties
- Dal: 10 varieties
- Vegetables: 15 varieties
- Chutney: 05 varieties
- Raita: 05 varieties
- Egg dishes: 03 varieties
- Fish dishes: 05 varieties
- Meat dishes: 08 varieties
- Chicken dishes: 08 varieties
- Shorba: 02 varieties
- Tandoor dishes: Tandoori chicken, tandoori fish, seek kabab, boti kabab.
- Snacks: 10 varieties
- Sweets: 08 varieties

Special dishes for festivals – 5 festival menus (Note: emphasis on a regional cuisines)

**Continental**: Stock – white stock, brown stock, fish stock.
- Sauce – Bechamel sauce, veloute sauce, tomato, espagnole, hollandaise and mayonnaise with 5 derivatives of each. Demi glace, Mint sauce, horse raddish, bread sauce and apple sauce.
- Compound Butters – 3 varieties.

**Soups**:  
- Purees: 2 varieties
- Cream: 3 varieties
- Veloute: 2 varieties
- Broths: 2 varieties
- Bisques: 1 variety
- Consommes: 5 varieties
- Cold Soups: 2 varieties
- Potages: 2 varieties

**Fish**:  
- Baked: 2 varieties
- Grilled: 2 varieties
- Shallow fried: 2 varieties
- Deep fried: 4 varieties
- Poached: 2 varieties
Chicken and other Meats:

- Stew: 2 varieties
- Casseroles: 2 varieties
- Roast: 2 varieties
- Braised: 2 varieties
- Grilled/Baked: 2 varieties
- Chicken (Sautes): 5 varieties
- Entrees: 3 varieties
- Pork: 2 varieties
- Steaks: 3 varieties

Vegetables: Preparation and cooking of vegetables – 10 varieties.

Potatoes – 10 varieties.

Farinaceous dishes: Spaghetti and macaroni dishes – 2 varieties.

Egg: Breakfast egg preparation – 5 varieties

Sweets:
- Mousse: 3 varieties
- Souffles: 3 varieties
- Steamed (Pudding): 3 varieties

Chinese:
- Soups: 2 varieties
- Noodles & Rice: 4 varieties
- Chicken: 2 varieties
- Pork: 2 varieties
- Meat: 2 varieties
- Prawns: 2 varieties
- Fish: 1 dish
- Vegetables: 3 varieties
**LARDER**

**THEORY :**

Unit-1 : Larder - Organisation & layout.  
Larder control – Maintenance & upkeep of larder equipment and supplies.

Unit-2 : Hors d’ oeuvre and salads – classification.
Unit-3 : Fish - Classification, sealing, cleaning, preparation, basic cuts and its uses and storage.

Unit-4 : Butchery – Cuts of beef, lamb, mutton and pork, its uses and weights.

Unit-5 : Poultry and Game :
- Poultry – Classification, preparation, dressing and cuts with its uses.
- Game – Furred game and feathered game, preparation cuts with its uses.

Unit-6 : Assembling of cold buffets, sandwiches and canapes. Proper storage of leftovers.

Unit-7 : Different types of forcement and their uses.  
Decorative work including sculptures, ice carvings, vegetable and fruit carvings.

Unit-8 : Cleaning and care of Larder equipment.

**PRACTICALS :**

Preparation of various simple and compound Horsdoevures:

Simple salads - 5 varieties

Compound Salads:
- Fruit based - 2 varieties
- Fish based - 2 varieties
- Meat based - 2 varieties
- Vegetable based - 2 varieties
- Preparation of salad dressings - 3 varieties

Butchery:

a) Lamb and Mutton – Demonstration of jointing mutton carcasses.
   - Deboning of mutton leg and shoulder.
   - Curry cuts and boti kababs.

b) Pork – Demonstration and preparation of pork chops, deboning of pork leg.

c) Fish – cuts of fish and its use in cold buffets.

d) Poultry – Dressing, trussing and deboning.
COMMODITIES AND FOOD COSTING

THEORY:


Unit-2: Pulses – Types and uses of pulses.

Unit-3: Fresh fruits and vegetables, classification of fruit and vegetables and its use.

Unit-4: Dairy products – Milk and its composition and storage, classification and uses of cheese, butter & cream.

Unit-5: Prevailing food standards in India, food adultration as a public health hazard, simple tests in the detection of common food adultrants, Essential Commodities Act- ISI Agmark.

Unit-6: Herbs, spices and condiments – classification and uses of different types of herbs and condiments.

Unit-7: Brief introduction of Tea, Coffee, Cocoa and its procurement, storage and use. Food flavours, essences and colours with brand names.

Unit-8: Methods of food preservation – long term and short term methods. Convenience food – sugar preserves and confectionery gums.

Unit-9: Importance of costing and cost dynamics – variable and semi-variable and fixed cost.

Unit-10: Elements of cost – material, labour and overhead.

Unit-11: Cost control procedure through Purchasing, Receiving, Storing issuing and preparation, portion control.
HYGIENE & NUTRITION

HYGIENE

Unit-1: Personal hygiene, care of skin, hand and feet. Food handlers hygiene, protective clothing.


Unit-3: Garbage disposal – different methods – advantage and disadvantages.

Unit-4: Food Poisoning – Causative factors and the precautions to be taken by food handlers.

Unit-5: Food Storage – Techniques of correct storage, storage temperature of different commodities to prevent bacterial manifestation or contamination.

Unit-6: Pest Control - Rodents and insect control techniques, special stress on control of flies, rats and cockroaches.

Unit-7: Municipal health laws.

Unit-8: Golden rules of first aid and treatment for cuts, wounds, burns.

NUTRITION

UNIT-1: Definition of nutrition, definition of a calorie, daily caloric requirements for different age groups, factors. Food groups and their role in balance diet.

UNIT-2: Carbohydrates and proteins – Classification, sources, functions, Recommendatory Daily Allowance (RDA), excess and deficiency.

UNIT-3: Fats - classification according to sources, difference between animal fat and vegetable fat, functions, Recommendatory Daily Allowance (RDA), excess and deficiency.

UNIT-4: Minerals – Importance of Minerals with special emphasis on calcium and iron (function & sources).


UNIT-6: Health Foods & Menus for diabetic, heart, blood pressure patients, specific requirements for sports men/women.
Computer Applications in Food Production
(to be taught in practical classes)

Unit-1: Computer fundamentals:
   History
   Information concepts and processing
   Elements of a computer processing system
   Hardware, features and uses
   Input/Output devices
   Software concepts – MS DOS, MS OFFICE (use).