

V - SEMESTER
BS 503, GENERIC ELECTIVE (GE)
FUNDAMENTALS OF FOOD AND NUTRITION

NO. OF HOURS: 60

CREDITS: 4

CREDIT I: FUNDAMENTALS OF FOOD 15 Hours

- 1.1 Definition of food, Types of foods- Nano foods, Convenience foods,
- 1.2 Texturized Foods, space Foods, Novel foods, Organic foods

CREDIT II: FUNDAMENTALS OF NUTRITION 15 Hours

- 2.1 Definition of Nutrition
- 2.2 Digestion, absorption & assimilation of nutrients in the human gut
- 2.3 Benefits of intestinal microflora- Pre & probiotics.

CREDIT III. FOOD SAFETY AND QUALITY CONTROL 15 Hours

- 3.1 Selecting and purchasing food
- 3.2 Understanding food labels
- 3.3 Storing raw foods and cooked foods
- 3.4 Definition of food adulteration and common adulterants present in food

CREDIT IV. HYGIENE AND SANITATION 15 Hours

- 4.1 Definition of hygiene and sanitation
- 4.2 Personal hygiene of food Handler
- 4.3 Techniques of washing hands
- 4.4 Pest control and garbage disposal

REFERENCE BOOKS:

1. Sri Lakshmi. B, Nutrition Science, New age international Pvt. Ltd. publishers.
2. SrilakshmiB ., Food Science, New Age International Pvt. Ltd publishers
3. Biochemistry- U Satyanarayana, U chakrapani, Books and Allied (Pvt . Ltd.)
4. The pink book -food smart by FSSAI
5. Catering Management - An Integrated Approach - MohiniSethi, Surjeet Malhan, 3rd edition, New Age International Publishers.

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Paper GE: BUSINESS ECONOMICS

Objective: to acquire knowledge for application of economic principles and tools in business practices.

UNIT-I: INTRODUCTION:

Business Economics: Meaning - Nature – Characteristics - Importance and Role - Micro & Macro Economics - Scope - Objectives - Law of Diminishing marginal utility - Law of Equi-marginal utility.

UNIT- II: DEMAND ANALYSIS:

Meaning – Function - Factors influencing Demand -Types of Demand -Demand Curve - Law of Demand –Exceptions to the law of demand-Elasticity of Demand: Concept - Types of elasticity of demand-price, income and cross Elasticity of Demand –measurement of elasticity—arc and point methods—Importance of various Elasticity of Demand

UNIT-III: SUPPLY ANALYSIS:

Law of Supply - Factors influencing Supply - Market Equilibrium- Consumer Surplus - Theory of Consumer behavior - Utility and indifference curve analysis.

UNIT-IV: PRODUCTION ANALYSIS:

Concept of Production –production function-Total Production - Marginal Production - Average Production –returns to a factor- Law of Variable Proportions - Law of Returns to Scale – Isocost – Isoquants - Economies and Dis-economies of Scale.

UNIT-V: COST AND REVENUEANALYSIS:

Theory of Cost - Concepts of Cost - Short run and Long run cost curves - Traditional and Modern Approaches -Revenue Curves—relationship between total marginal and average revenues- --Break Even Analysis—Meaning – Assumptions – Uses and Limitations.

SUGGESTED READINGS:

1. Business Economics: V. G. Mankar, Himalaya Publishing House
2. Managerial Economics: Vanith Agrawal, Pearson Education
3. Business Economics: H. L. Ahuja, S. Chand & Co. Ltd.
4. Business Economics : R. K. Lekhi, Kalyani Publishers
5. Business Economics: D. M. Mithani, Himalaya Publishing House
6. Business Economics: P. N. Chopra, Kalyani Publishers
7. Essential of Business Economics: D. N. Dwivedi, Vikas Publishers
8. Managerial Economics: Varshney and Maheswari, Sultan Chand
9. Business Economics: P. K. Mehta, Tax Mann Publication.