

## Semester - II

Core Course: 5 Therapeutic Nutrition 05 Credits

Full Marks: 70

Time: 3 Hours

The pattern of question papers will be as under

- Group A- Compulsory – ten questions (five questions from each unit) of two marks each.  $2 \times 10 = 20$  marks
- Group B- Five questions (one from each unit) – each question of 5 marks, four to be answered.  $5 \times 4 = 20$  marks
- Group C- Five questions (one from each unit) – each question of 10 marks, three to be answered.  $10 \times 3 = 30$  marks

### Objectives:

This course will enable the students to:

- 1. Understand the etiology, physiologic and metabolic anomalies of acute and chronic diseases and patient needs.
- 2. Acquire basic knowledge about the effects of various diseases on nutritional status and dietary requirements.
- 3. Be able to provide required nutritional care and treatment of the various diseases.

### Unit I

- 1 Importance of nutrition in health and disease
- 2 Importance of meal planning, factors to be considered while planning meal
- 3 Dietary management: in weight imbalance (obesity and underweight)

### Unit II

Prevalence, etiology, biochemical and clinical manifestations and therapeutic measurement of the following:

- 1 Typhoid fever
- 2 Tuberculosis
- 3 HIV infection and AIDS

### Unit III

Prevalence, etiology, biochemical and clinical manifestations and therapeutic measurements of the following:

- 1 Nutritional anemia
- 2 Liver disorders: jaundice, Hepatitis
- 3 Diseases of the Cardio Vascular System
- 4 Kidney diseases

### Unit IV

Types, causes, symptoms and dietary management of metabolic disorders

- 1 Diabetes Mellitus
- 2 Gout
- 3 Cancer

### Unit V

Dietary counseling: Needs, objectives, steps and techniques

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Core Course 6

Maternal and Infant Nutrition

05 Credits

Full Marks: 70

Time: 3 Hours

*The pattern of question papers will be as under*

Group A- Compulsory – ten question &amp; five questions from each unit of two marks each.

 $3 \times 10 = 30$  marks

Group B- Five questions (one from each unit) – each question of 5 marks, four to be answered.

 $5 \times 4 = 20$  marks

Group C- Five questions (one from each unit) – each question of 10 marks, three to be answered.

 $10 \times 3 = 30$  marks**Objectives:**

This course will enable the students to

- 1 Understand physiological changes during pregnancy and lactation.
- 2 Get acquainted with growth and developmental changes from conception till birth.
- 3 Understand the inter-relationship between nutrition and growth and development during a life cycle

**Unit I**

- 1 Importance of Maternal nutrition prior to and during pregnancy, Effect of under nutrition on mother-child health, including pregnancy
- 2 Physiology and endocrinology of pregnancy and embryonic and fetal growth and development
- 3 Nutritional requirement during pregnancy
- 4 Complications of pregnancy and management and importance of antenatal care of at-risk mothers
- 5 Congenital malformation, fetal alcohol syndrome and gestational diabetes mellitus

**Unit II**

- 1 Lactation
- 2 Development of mammary tissue and role of hormones
- 3 Human milk composition and factors affecting breast feeding and
- 4 fertility Management of lactation –breast feeding, Rearing in problems - sore nipples, engorged breast, inverted nipples etc.

**Unit III**

- 1 Care and management of the preterm and L&W infants implications for feeding and management

**Unit IV**

- 1 Menopause
- 2 Signs and symptoms
- 3 Problems
- 4 Management of dietary needs and health

**Unit V**

- 1 Policies and programmes for promotion maternal and child nutrition and health

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References:

1. M. Swaminathan : Food and Nutrition
2. vijgij ,oa ika'k k falkaa & MkwDV] c'ank flag
3. viaOtao Valma & ekaa kjij [puk ,oa ika'k falkaa
4. vijgij ,oa ika'k falkaa & MkwDV] Vhaa [aurek
5. Health Mathers : Archana Sinha
6. Nutrition and Child Development: 4th Edition, KE Elisabeth

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Study Origin-IN

Core Course:7

Communication Technology

66 Credits

Full Marks: 70

Time: 3 Hours

The pattern of question papers will be as under

- Group A- Compulsory - ten questions (two questions from each unit) of two marks each.  $2 \times 10 = 20$  marks
- Group B- Five questions (one from each unit) - each question of 3 marks, four to be attempted.  $5 \times 4 = 20$  marks
- Group C- Five questions (one from each unit) - each question of 10 marks, three to be answered.  $10 \times 3 = 30$  marks

**Objective:**

- Develop understanding regarding various aspects of communication.
- Develop understanding regarding various audio-visual aids used for various groups: individual, group, mass.
- Develop ability to prepare, operate use of various audio-visual aids.

**Unit I****Concept of Communication**

- Definition, meaning and nature of communication
- Process, elements of communication
- Barriers in communication

**Unit II****Forms of Communication**

- Verbal and non-verbal
- Intra, inter, group, mass

**Unit III****Mass Media**

- Types, roles and characteristics
- Uses of - Electronic and traditional media

**Unit IV****Adoption and Diffusion**

- Concept of adoption
- Innovation and diffusion
- The Adoption process
- The Innovation - Decision process
- Adopter categories

**Unit V****Introduction to Information Communication Technology (ICT)**

- Role of ICT in Extension work and development

  
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## References:

1. Dale (1964), Audio-visual Methods of Teaching, Holt, Rinehart and Winston, London.
2. Brown et al (1983), A.V. Instruction Technology, Media and Methods, 6<sup>th</sup> Edition, Mc Graw Hill Book Co. New York.
3. Joshi Uma (1997), Text book of Mass Communication and Media, Anand Publications, New Delhi.
4. Joshi Uma (2001), Understanding Development Communications: Dominant Publishers, New Delhi.
5. Sandhu Anoop Singh (1996), Extension Programming Planning, Oxford and JHU

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**Core Course: 9 Management of Textile Crafts and Apparel Industry**

Full Marks: 70

**8 Credits**

Time: 3 Hours

*The pattern of question papers will be as under*

Group A- Compulsory – ten questions (two questions from each unit) of two marks each.

 $2 \times 10 = 20$  marks

Group B- Five questions (two from each unit) – each question of 5 marks, four to be answered.

 $5 \times 4 = 20$  marks

Group C- Five questions (two from each unit) – each question of 10 marks, three to be answered.

 $10 \times 3 = 30$  marks**Objectives:**

This course will enable the students:

- 1. To understand the textile crafts of India
- 2. To enhance awareness regarding the history and production centers of the traditional textile crafts of India
- 3. To understand the aspects of management regarding designing, merchandising and mass media
- 4. To highlight certain aspects of apparel industry
- 5. To signify the role of traditional textile crafts in economic empowerment

**Unit I****Study of Textile Crafts of India: history, production centers, techniques, designs, colors and products**

- 1. Woven textile of India- Banaras Brocade, Jamdani and Baluchari of Bengal, Kani Shawls of Kashmir
- 2. Embroidered textiles of India- Rantha of Bengal, Kasuti of Karnataka, Phulkari of Punjab, Chickankari of Uttar Pradesh, Kashida of Kashmir
- 3. Painted and Printed textiles of India- Kalamkari of Andhra Pradesh, Dabu printing of Rajasthan, Ajarakh prints of Gujarat
- 4. Dyed textiles of India- Bandhani of Rajasthan and Gujarat, Satta-Patola of Gujarat, Bandhas of Orissa, Pochampalli of Andhra Pradesh

**Unit II****Elements used in creating a design**

- 1. Color- Color harmony, its sensitivity and composition in dress
- 2. Components of fashion- Color and fabric

**Unit III****Principles of Merchandising**

- 1. Types of merchandising

**Unit IV****Role of Mass Media in Fashion**

- 1. Role of Mass Media in promoting fashion
- 2. Impact of Mass Media on fashion

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## Unit V

## Cultural and Economic Empowerment through Textile Crafts

- Textile crafts in National economy
- Sustenance of traditional textile crafts

## Reference:

1. J. Anderson Black, Midge Garland, A History of Fashion, Orbis Publishing Ltd, London
2. Boucher Francois, A History of Costume in the West, Thames and Hudson.
3. Sharon Lee Tate, Inside Fashion Design, Harper and Row Publishers, New York.
4. Kathryn Samuel, Life Styles, Fashion Styles, Orbis Publishing Ltd, London.
5. Carter E. (1977). The Changing World of Fashion, G.P. Putnam's Sons, New York.
6. Carr H. and Pomey J. (1992) , Fashion Design and Product Development, Blackwell Scientific Publications, London, Edinerg.
7. Complete guide to Sewing, Reader's Digest Association, New York.
8. Creative Clothing Construction, McGRAW HILL, 1978

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