

Syllabus for
Bachelor of Arts in Home Science. (Honours)
Under Choice Based Credit System

Academic Session:
w.e.f. 2020-2023



for
All Constituent/Affiliated Colleges Under
Binod Bihari Mahto Koyalanchal University,
Dhanbad

**Members of Board of Studies of CBCS Under-Graduate
Syllabus as per Guidelines of the Binod Bihari Mahto
Koyalanchal University, Dhanbad**

1. Chairman : Dr. Seema Kumari
2. External expert member : Dr. Manju Kumari
3. External expert member : Dr. Reshma Xalxo
4. Members : Dr. Chanchala Verma



22/09/2020

(Dr. Seema Kumari)

Head

University Department of Home Science
BBMKU, Dhanbad

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COURSE STRUCTURE (B.A. H.Sc. Hons)

Semester	Course Code	Name of Paper	Total Marks		Distribution of Marks Mid- & End Semester			
			FM	PM	Mid Semester		End Semester	
					FM	PM	FM	PM
Semester-I	HSC-H-C-101-T (04 Credits 60 Lectures)	Fundamental of Food & Nutrition	75	40%	20% of Total FM	40%	80% Total FM	40%
	HSC-H-C-102-T (04 Credits 60 Lectures)	Introduction of Human Development Practical	75					
	HSC-H-C-101&102-P (04 Credits 60 Lectures)		50					
	HSC-H-GE-101-T (04 Credits 60 Lectures)	Interior Decoration Practical	75					
	HSC-H-GE-101-P (02 Credits 30 Lectures)		25					
	(Choice to choose from other discipline)	Ability Enhancement Compulsory Course-I English/MIL	50					
	HSC-H-AECC-101-T Language (English/Hindi/NH+MB) (02 Credits 30 Lectures)							
Semester-II	HSC-H-C-203-T (04 Credits 60 Lectures)	Introduction to resource management	75	40%	20% of Total FM	40%	80% Total FM	40%
	HSC-H-C-204-T (04 Credits 60 Lectures)	Introduction of textile management Practical	75					
	HSC-H-C-203&204-P (04 Credits 60 Lectures)		50					
	HSC-H-GE-202-T (04 Credits 60 Lectures)	Fundamental of food & nutrition Practical	75					
	HSC-H-GE-202-P (02 Credits 30 Lectures)		25					
	(Choice to choose from other discipline)	Ability Enhancement Compulsory Course-2 Environment Science	50					
	HSC-H-AECC-202-T (Environment Science) (02 Credits 30 Lectures)							
Semester-III	HSC-H-C-305-T (04 Credits 60 Lectures)	Applied food & nutrition	75	40%	20% of Total FM	40%	80% Total FM	40%
	HSC-H-C-306-T (04 Credits 60 Lectures)	Family relationship Research methodology & statistics	75					
	HSC-H-C-307-T (04 Credits 60 Lectures)		75					
	HSC-H-C-305,306&307-P (04 Credits 60 Lectures)	Community Nutrition Practical	75					
	HSC-H-GE-303-T (04 Credits 60 Lectures)		75					
	HSC-H-GE-303-P (02 Credits 30 Lectures)	25						
	(Choice to choose from other discipline)	Skill enhancement course-1	50					
HSC-H-SEC-301-T (02 Credits 30 Lectures)								
Semester-IV	HSC-H-C-408-T (04 Credits 60 Lectures)	Nutritional Management	75	40%	20% of Total FM	40%	80% Total FM	40%

	HSC-H-C-409-T (04 Credits 60 Lectures) HSC-H-C-410-T (04 Credits 60 Lectures) HSC-H-C-408,409&410-P (04 Credits 60 Lectures) HSC-H-GE-404-T (04 Credits 60 Lectures) HSC-H-GE-404-P (02 Credits 30 Lectures) (Choice to choose from other discipline) HSC-H-SEC-402-T (02 Credits 30 Lectures)	Introduction to extension education Communication process in development Practical Applied food & nutrition Practical Skill enhancement course-2	75 75 75 75 25 50					
Semester-V	HSC-H-C-511-T (04 Credits 60 Lectures) HSC-H-C-512-T (04 Credits 60 Lectures) HSC-H-C-511&512-P (04 Credits 60 Lectures) HSC-H-DSE-501A-T HSC-H-DSE-501B-T HSC-H-DSE-501C-T (04 Credits 60 Lectures) (Choice to choose any one paper) HSC-H-DSE-502A-T HSC-H-DSE-502B-T HSC-H-DSE-502C-T (04 Credits 60 Lectures) (Choice to choose any one paper) HSC-H-DSE-501A/B/C & 502A/B/C-P (04 Credits 60 Lectures)	Clothing & Textile Home Decoration Practical Community Nutrition-I Children with Disabilities Traditional Indian Textiles Human Psychology Extension Management Communication for Development Practical	75 75 50 75 75 50	40%	20% of Total FM	40%	80% Total FM	40%
Semester- VI	HSC-H-C-613-T (04 Credits 60 Lectures) HSC-H-C-614-T (04 Credits 60 Lectures) HSC-H-C-613&614-P (04 Credits 60 Lectures) HSC-H-DSE-603A-T HSC-H-DSE-603B-T HSC-H-DSE-603C-T (04 Credits 60 Lectures) (Choice to choose any one paper) HSC-H-DSE-604A-T HSC-H-DSE-604B-T HSC-H-DSE-604C-T (04 Credits 60 Lectures) (Choice to choose any one paper) HSC-H-DSE-603A/B/C & 604A/B/C-P (04 Credits 60 Lectures)	Food preservation & processing Early childhood care & education Practical Therapeutic Nutrition Child rights & gender empowerment Consumer education & safety Community Nutrition Basics of Design application Entrepreneurship Management Practical	75 75 50 75 75 50	40%	20% of Total FM	40%	80% Total FM	40%
		Total Marks	2400		480		1920	

B.A.
SEMESTER-I
HOME SCIENCE HONOURS
CORE COURSE THEORY PAPER-1
FUNDAMENTALS OF FOOD & NUTRITION

HSC-H-C-101T.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Objectives:

1. To understand of basic concepts of food & nutrition, role of various nutrients & their requirements, role of deficiency & excess and metabolism of nutrients.
2. To learn about nutritional contributions of different food & different methods of improving nutritional quality of food.
3. To understand basic knowledge of cell, tissue, blood, enzyme and hormones.

THEORY UNIT

- I. Meaning & definition of nutrition, nutrients & food. Functions of food.
- II. Structure, classification, functions, sources, recommended dietary allowances, deficiency & excess (in brief) of carbohydrates, fats, proteins.
- III. Structure, classification, functions, sources, recommended dietary allowances, deficiency & excess (in brief) of vitamins, minerals & water.
- IV. Digestion, absorption metabolism of carbohydrates, fats & proteins.

Recommended Books:

- | | |
|------------------------|-------------------|
| 1. Food & Nutrition | : MS. Swaminathan |
| 2. Food Science | : Mudambi, S.R. |
| 3. Nutritional Science | : B. Srilakshmi |
| 4. Ahhar & Poshan | : Barma & Pandey |
| 5. Poshan Vigyan | : S.P. Sukhiya |
| 6. Aahar Poshan Vigyan | : Dr. Asha Kumari |

B.A.
SEMESTER-I
HOME SCIENCE HONOURS
CORE COURSE THEORY PAPER-II
INTRODUCTION TO HUMAN DEVELOPMENT

HSC-H-C-102T.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Objectives:

1. To learn about basic concepts of human development and their stage & principles.
2. To understand pre-natal and post-natal development of children.
3. To sensitize the students towards intervention in the field of human development.

THEORY UNIT

- I. Human development: Meaning, stages, importance and principle of development. Development task.
- II. Prenatal development: Stages & Prenatal influences.
- III. A. Meaning, Development aspects of infancy and childhood:- Physical, social, motor, emotional, languages and cognitive development.
B. Adolescence: Physical, social, emotional, cognitive, moral development.
- IV. Personality development: Definition, stages of personality development and determinants.

Recommended Books:

- | | |
|-----------------------------------|---------------------------|
| 1. Bal Vikas & Parivarik Sambandh | : Dr. Mathureshwar Parik. |
| 2. Mantrikala & Shishu Klayan | : Dr. G.P. Shairi |
| 3. Manav Vikash | : Barma & Pandey |
| 4. Parivarik Sambandh | : Barma & Pandey |
| 5. Child Development | : Hurlock, E.B. |
| 6. Bal Vikas | : Nita Agarwal |

B.A.
SEMESTER-I
HOME SCIENCE HONOURS
CORE COURSE PRACTICAL PAPER-I & II

HSC-H-C-101&102P.
Credits-4

Full Marks: 50
MID SEM:10
END SEM :40
HOURS : 6

Instruction to Question setter for End Semester Practical Examination (ESE) : The questions in practical examination will be of equal to 40 marks and will be of 6 hours duration distribution of marks in practical paper of an end semester examination will be of 60% in performance of experiment 20% in record/note book and 20% in viva-voce.

Objectives:

1. To acquire skills in food preparation technique.
2. To use appropriate methods of cooking for preparation of specific food products.

UNIT

- I. Cooking : (a) Dhokla, (b) Poha, (c) Veg rolls, (d) Gulab Jamun, (e) Pasta Ice Cream, (f) Veg Soups, (g) Chikki.
- II. Visit of Local Food Industry
- III. Prepare: (a) Height & Weight chart of growing children (b) Pictorial chart of motor development for the child of zero to one year.
- IV. Characteristics features of children's cloth & books.

B.A.
SEMESTER-I
HOME SCIENCE HONOURS
GENERIC ELECTIVE THEORY PAPER-I
INTERIOR DECORATION

HSC-H-GE-101T.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Objectives:

1. To understand about interior decoration & different types of Flower arrangement, Furniture and Furnishing materials.

THEORY UNIT

- I. Interior decoration: Elements and principle of design.
- II. Colour & its role in home decoration. Lighting Arrangement in different rooms.
- III. Flower arrangement: Meaning and Types.
- IV. Furniture & Furnishing: Types & factors affecting purchasing of furniture & home furnishing materials. Care of furniture & furnishing materials.

Recommended Books:

1. Grih Prabandh : Dr. G.P. Shairi
2. Grih Sazza & Grin Vayvastha : Dr. S.P. Sukhiya
3. Parivarik Sadhno ki Vavyastha : Barma & Pandey
4. Home Management : Vargese M.A.

B.A.
SEMESTER-I
HOME SCIENCE HONOURS
GENERIC ELECTIVE PRACTICAL PAPER-I
INTERIOR DECORATION

HSC-H-GE-101P.
Credits-2

Full Marks: 25
MID SEM:05
END SEM :20
HOURS : 3

Instruction to Question setter for End Semester Practical Examination (ESE) : The questions in practical examination will be of equal to 20 marks and will be of 3 hours duration distribution of marks in practical paper of an end semester examination will be of 60% in performance of experiment 20% in record/note book and 20% in viva-voce.

1. Flower arrangement in different styles.
2. Colour wheel preparation.
3. Presentation on Market survey of furnishing materials.
4. Preparation a chart of lighting arrangement in different rooms.

B.A.
SEMESTER-I
HOME SCIENCE HONOURS
Ability Enhancement Compulsory Course-I

HSC-H-AECC-101T.
Credit-2, Lectures-30

Full Marks: 50
MID SEM:10
END SEM :40

Language (English/Hindi/NH+MB)

B.A.
SEMESTER-II
HOME SCIENCE HONOURS
CORE COURSE THEORY PAPER-3
INTRODUCTION TO RESOURCE MANGEMENT

HSC-H-C-203T.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Objectives:

1. To understand about management process and family resource.
2. To learn about management of money, energy and time.

THEORY UNIT

- I. Home Management: Concepts, process and importance. Decision making process.
- II. Motivating factors of management: Value, goals & standards. Types, Importance.
- III. A. Family resources: Types, characteristics & importance
B. Money Management: Family income & expenditure. Family Accounts: Importance & types. Budget: Meaning, types & importance.
C. Saving & Investment: Meaning, objectives & importance. Means of saving i.e. Bank, Insurance, Private & Public sectors schemes, provident fund scheme. Types of Investments.
- IV. Management of energy: Work simplifications.

Recommended Books:

- | | |
|----------------------------------|--------------------|
| 1. Grih Prabandh | : Dr. G.P. Shairi |
| 2. Grih Sazza & Grin Vayvastha | : Dr. S.P. Sukhiya |
| 3. Parivarik Sadhno ki Vavyastha | : Barma & Pandey |
| 4. Home Management | : Vargese M.A. |

B.A.
SEMESTER-II
HOME SCIENCE HONOURS
CORE COURSE THEORY PAPER-4
INTRODUCTION TO TEXTILE SCIENCE

HSC-H-C-204T.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Objectives:

1. Acquaint with different textiles and their performances.
2. Impart knowledge on different textiles.

THEORY UNIT

- I. Textiles: Introduction, classification & importance.
- II. A. Composition, Chemical & Physical properties & uses of cotton, wool, silk, nylon & polyester.
B. Identification of textile fibers.
- III. Methods of Yarn making & weaving and their effects on quality of fabrics.
- IV. Finishes: Meaning, aims and methods.

Recommended Books:

1. Vastr Vigyan ke Sidhant : Dr. Rani Khanuja
2. Vastr Vigyan : Barma & Pandey

B.A.
SEMESTER-II
HOME SCIENCE HONOURS
CORE COURSE PRACTICAL PAPER-3&4

HSC-H-C-203&204P.
Credits-4

Full Marks: 50
MID SEM:10
END SEM :40
HOURS : 6

Instruction to Question setter for End Semester Practical Examination (ESE) : The questions in practical examination will be of equal to 40 marks and will be of 6 hours duration distribution of marks in practical paper of an end semester examination will be of 60% in performance of experiment 20% in record/note book and 20% in viva-voce.

1. Method of Weaving.
2. Identification of Textile Fiber: Visual & Burning test.
3. Classification of Textile Fiber.
4. Preparation of Family Budget.

Recommended Books:

1. Vastr Vigyan ke Sidhant : Dr. J.P. Shairy
2. Vastr Vigyan : Barma & Pandey

B.A.
SEMESTER-II
HOME SCIENCE HONOURS
GENERIC ELECTIVE THEORY PAPER-2
FUNDAMENTALS OF FOOD & NUTRITION

HSC-H-GE-202T.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Objectives:

1. To understand of basic concepts of food & nutrition, role of various nutrients & their requirements, role of deficiency & excess and metabolism of nutrients.

THEORY UNIT

- I. Meaning & definition of nutrition, nutrients & food. Function of food.
- II. Structure, classification, functions, sources, recommended dietary allowance, deficiency & excess (in brief) of carbohydrates, fats and proteins.
- III. Vitamins, Minerals & Water.
- IV. Digestion, absorption metabolism of carbohydrates, fats & proteins.

Recommended Books:

1. Food & Nutrition : MS. Swaminathan
2. Food Science : Mudambi, S.R.
3. Nutritional Science : B. Srilakshmi
4. Aahar & Poshan : Barma & Pandey
5. Poshan Vigyan : S.P. Sukhiya
6. Aahar Poshan Vigyan : Dr. Asha Kumari.

B.A.
SEMESTER-II
HOME SCIENCE HONOURS
GENERIC ELECTIVE PRACTICAL PAPER-II

HSC-H-GE-202P.
Credits-2

Full Marks: 25
MID SEM:05
END SEM :20
HOURS : 3

Instruction to Question setter for End Semester Practical Examination (ESE) : The questions in practical examination will be of equal to 20 marks and will be of 3 hours duration distribution of marks in practical paper of an end semester examination will be of 60% in performance of experiment 20% in record/note book and 20% in viva-voce.

1. Cooking: (a) Dhokla, (b) Poha, (c) Veg rolls, (d) Gulab Jamun, (e) Pastas, Ice-Cream, (f) Veg Soups, (g) Chikki.

B.A.
SEMESTER-II
HOME SCIENCE HONOURS
Ability Enhancement Compulsory Course-II

HSC-H-AECC-202T.
Credit-2, Lectures-30

Full Marks: 50
MID SEM:10
END SEM :40

Environmental Science

Instructions of question setter for end semester examination (ESE):

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (four questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 2 marks (2 questions). Group B will contain descriptive type eight questions of eight marks each out of which any four are to answer. Each question carries 08 marks.

B.A.
SEMESTER-III
HOME SCIENCE HONOURS
CORE COURSE THEORY PAPER-5
APPLIED FOOD AND NUTRITION

HSC-H-C-305T.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Objectives:

1. To learn about nutritional contributions of different food & different methods of improving nutritional quality of food.

THEORY

UNIT

- I. Composition & nutritional contributions of cereals, pulses, fruits, vegetables, milk & milk products, nut & oilseeds, meat, fish & poultry, eggs, sugars, beverages & spices & condiments.
- II. Method of cooking, their advantages & disadvantages.
- III. Changing during cooking and their effect on nutritive value.
- IV. Methods of improving nutritional quality of food. Germination, Fermentation, Supplementation, Fortification and Enrichment.

Recommended Books:

- | | |
|------------------------|-------------------|
| 1. Food & Nutrition | : MS. Swaminathan |
| 2. Food Science | : Mudambi, S.R. |
| 3. Nutritional Science | : B. Srilakshmi |
| 4. Ahhar & Poshan | : Barma & Pandey |
| 5. Poshan Vigyan | : S.P. Sukhiya |
| 6. Aahar Poshan Vigyan | : Dr. Asha Kumari |

B.A.
SEMESTER-III
HOME SCIENCE HONOURS
CORE COURSE THEORY PAPER-6
FAMILY RELATIONSHIP

HSC-H-C-306T.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Objectives:

The student will

1. Acquire knowledge and insight about marriage and family systems in India.
2. Became aware of the changing roles and relationship within family.
3. Understand the families in crisis.

THEORY UNIT

- I. The Family: Definitions, Types and Life Cycle.
- II. Marriage: Goals, Functions and challenges.
- III. Interrelationship within family: Role, right and responsibilities with the family.
- IV. A. Families & Problems: Marital disharmony, families in distress, violence, dowry, violence against women.
B. Intervention for families in trouble-scope, needs, counseling: pre marital & marital. Welfare & rehabilitations policies & programme.

Recommended Books:

1. The Urban family: A study of Hindu social system : A. K. Lal
2. Parivarik Sambandh : Barma & Pandey

B.A.
SEMESTER-III
HOME SCIENCE HONOURS
CORE COURSE THEORY PAPER-7
RESEARCH METHODOLOGY AND STATISTICS

HSC-H-C-307T.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Objectives:

1. To acquaints students with the concept of research and statistics.
2. To develop an understanding of the nature and scope of research and statistics.

Contents:-

UNIT

1. Research – Meaning, scope and importance, different steps of social research, research design.
2. Interview
3. Schedule and questionnaire
4. Meaning and scope of statistics

Recommended Books:

1. M.K. Gupta and D.D. Sharma, Social Research Sahitya Bhawan, Agra.
2. Dr. B.N. Gupta, Statistics.
3. H.K. Kapil, Research Methods, Hari Prasad Bhargaw (Hindi version).
4. Research Methodology – Dr. B.L. Fadia (Sahitya Bhawan Publication).

B.A.
SEMESTER-III
HOME SCIENCE HONOURS
CORE COURSE PRACTICAL PAPER-5, 6 & 7

HSC-H-C-305,306&307P.
Credits-6

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 6

Instruction to Question setter for End Semester Practical Examination (ESE) : The questions in practical examination will be of equal to 60 marks and will be of 6 hours duration distribution of marks in practical paper of an end semester examination will be of 60% in performance of experiment 20% in record/note book and 20% in viva-voce.

UNIT

1. Development of Food products by germination and fermentation – Sprouts, Idli and Dhokla.
2. Preparation of Jam, Jelly and Sauce.
3. Survey of rural & urban family.
4. Poster making on AIDS.
5. Visit to Old Age Home.

B.A.
SEMESTER-III
HOME SCIENCE HONOURS
GENERIC ELECTIVE THEORY PAPER-3
COMMUNITY NUTRITION

HSC-H-GE-303T.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Objectives:

1. To be familiar with community nutritional problem, cause and its eradication.
2. To understand about role of welfare programme and organization for community health.
3. To know common health hazards and methods of nutritional assessment.

THEORY

UNIT

- I. National nutritional programme.
- II. Nutritional education : Objective, Method & Importance.
- III. Role of national and international organization in improving nutritional status of the community. (FAO, ANP, ICDS, WHO, UNESCO, UNICEF)
- IV. Hazards of community nutritional status:
 - Food adulteration
 - Food poisoning
 - Pesticide residues in food
 - Food contamination

Recommended Books:

1. Upchararth Aahar and Samudayik Poshan : B.K. Bakshi
2. Ahhar & Poshan : Barma & Pandey

B.A.
SEMESTER-III
HOME SCIENCE HONOURS
GENERIC ELECTIVE PRACTICAL PAPER-3

HSC-H-GE-303P.
Credits-2

Full Marks: 25
MID SEM:05
END SEM :20
HOURS : 3

Instruction to Question setter for End Semester Practical Examination (ESE) : The questions in practical examination will be of equal to 20 marks and will be of 3 hours duration distribution of marks in practical paper of an end semester examination will be of 60% in performance of experiment 20% in record/note book and 20% in viva-voce.

1. Decoration of Salad.
2. Soups and Juices.
3. Poster Making.
4. Visit to Block & Primary Health Center.

B.A.
SEMESTER-III
HOME SCIENCE HONOURS
SKILL ENHANCEMENT COURSE-1

HSC-H-SEC-301T.
Credit-2, Lectures-30

Full Marks: 50
MID SEM:10
END SEM :40

Instructions of question setter for end semester examination (ESE):

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (four questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 2 marks (2 questions). Group B will contain descriptive type eight questions of eight marks each out of which any four are to answer. Each question carries 08 marks.

Syllabus Enclosed

B.A.
SEMESTER-IV
HOME SCIENCE HONOURS
CORE COURSE THEORY PAPER-8
NUTRITIONAL MANAGEMENT

HSC-H-C-408T.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Objectives:

1. To understand about normal diet and modified diet.
2. To learn about nutritional requirement during different age group.

THEORY UNIT

- I. Health: Definition & dimensions.
- II. A. Energy requirement for different age groups, factors affecting energy requirement.
B. Balance Diet
- III. Meal planning: Definitions, Importance, principles & factors affecting meal planning.
- IV. Nutritional requirements of infant, pre-school children, school going children, adolescents, adult, old aged, pregnant & lactating women.

Recommended Books:

- | | |
|-------------------------------|--------------------|
| 1. Aahar & Upcharatmak Poshan | : B.D. Harpalani |
| 2. Aahariki | : Barma & Pandey |
| 3. Ahhar & Poshan | : Barma & Pandey |
| 4. Dietetics | : Sri Lakshmi, B |
| 5. Food & Nutrition | : M.S. Swaminathan |

B.A.
SEMESTER-IV
HOME SCIENCE HONOURS
CORE COURSE THEORY PAPER-9
INTRODUCTION TO EXTENSION EDUCATION

HSC-H-C-409T.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Objectives:

1. Understand the widening concept of extension.
2. Be aware of the extension models in practice and their scope in facilitating development.

THEORY UNIT

- I. Meaning, scope, objectives & importance of extension education.
- II. Philosophy & principle of extension education.
- III. Extension teaching methods: Classification, factors affecting choice & use of methods.
- IV. A. Rural sociology & its importance for extension workers.
Characteristics of rural life.
B. Leader: functions, qualities & Identifications.

Recommended Books:

1. Prasar Shiksha & Sanchar Vayvastha : Shaw & Shaw
2. Prashar Shiksha : Dr. Harpalini.

B.A.
SEMESTER-IV
HOME SCIENCE HONOURS
CORE COURSE THEORY PAPER-10
COMMUNICATION PROCESS IN DEVELOPMENT

HSC-H-C-410T.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Objectives:

To enable students to:

1. Understand the process of communication in development work.
2. Develop skills in the use of methods & media.

THEORY UNIT

- I. Concept of communication: Meaning & Importance, purpose, existing patterns. Factors that help or hinder communication.
- II. Communication Process: Types, Gaps, Importance and basis for effective communication.
- III. Methods of communication to reach individual group & mass: Personal conference, interviews, house visits, exhibits, group discussion, demonstrations, workshop, videos, films, camp.
- IV. A. Role of Home Science in rural development.
- V. B. Welfare programme for rural worker and children.

Recommended Books:

1. Prasar Shiksha & Sanchar Vayvastha : Shaw & Shaw
2. Grih Vigyan Prasar Shiksha : Barma & Pandey

B.A.

Under Graduate Department of Home Science Binod Bihari Mahto Koylanchal University, Dhanbad

SEMESTER-IV
HOME SCIENCE HONOURS
CORE COURSE PRACTICAL PAPER-8, 9 & 10

HSC-H-C-408,409&410P.
Credits-4

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 6

Instruction to Question setter for End Semester Practical Examination (ESE) : The questions in practical examination will be of equal to 60 marks and will be of 6 hours duration distribution of marks in practical paper of an end semester examination will be of 60% in performance of experiment 20% in record/note book and 20% in viva-voce.

- I. Preparation of Meal Planning: Pregnant Women, Office worker, Lactating mother, school going children.
- II. Poster making
- III. Visit of specific measures for women and children such as DWCRA, ICDS, Anganwadi.
- IV. Leaflets making.

B.A.
SEMESTER-IV
HOME SCIENCE HONOURS
GENERIC ELECTIVE THEORY PAPER-4
APPLIED FOOD AND NUTRITION

HSC-H-GE-404T.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Objectives:

1. To learn about nutritional contributions of different food & different methods of improving nutritional quality of food.

THEORY UNIT

- I. Composition & nutritional contributions of cereals, pulses, fruits, vegetables, milk & milk products, nut & oilseeds, meat, fish & poultry, eggs, sugars, beverages & spice & condiments.
- II. Method of Cooking, their advantages & disadvantages.
- III. Changes during cooking and their effect on nutritive value.
- IV. Methods of improving nutritional quality of food: Germination, Fermentation, Supplementation, Fortification and Enrichment.

Recommended Books:

- | | |
|------------------------|--------------------|
| 1. Food & Nutrition | : MS. Swaminathan |
| 2. Food Science | : Mudambi, S.R. |
| 3. Nutritional Science | : B. Srilakshmi |
| 4. Aahar & Poshan | : Barma & Pandey |
| 5. Poshan Vigyan | : S.P. Sukhiya |
| 6. Aahar Poshan Vigyan | : Dr. Asha Kumari. |

B.A.
SEMESTER-IV
HOME SCIENCE HONOURS
GENERIC ELECTIVE PRACTICAL PAPER-4

HSC-H-GE-404P.
Credits-2

Full Marks: 25
MID SEM:05
END SEM :20
HOURS : 3

Instruction to Question setter for End Semester Practical Examination (ESE) : The questions in practical examination will be of equal to 20 marks and will be of 3 hours duration distribution of marks in practical paper of an end semester examination will be of 60% in performance of experiment 20% in record/note book and 20% in viva-voce.

1. Development of Food products by germination and fermentation – Sprouts, Idli and Dhokla.
2. Preparation of Jam, Jelly and Sauce.

B.A.
SEMESTER-IV
HOME SCIENCE HONOURS
SKILL ENHANCEMENT COURSE-2

HSC-H-SEC-402T.
Credit-2, Lectures-30

Full Marks: 50
MID SEM:10
END SEM :40

Instructions of question setter for end semester examination (ESE):

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (four questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 2 marks (2 questions). Group B will contain descriptive type eight questions of eight marks each out of which any four are to answer. Each question carries 08 marks.

Syllabus Enclosed

B.A.
SEMESTER-V
HOME SCIENCE HONOURS
CORE COURSE THEORY PAPER-11
CLOTHING & TEXTILE

HSC-H-C-511T.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Objectives:

1. To acquaint students with the different textile their processing & choice and care of fabric.
2. To develop skill in clothing construction.

THEORY UNIT

- I. Principle of clothing construction: General principle of clothing construction, drafting & making paper patterns.
- II. A. Traditional Textile and embroideries of India.
B. Readymade Vs Homemade Garments. Factors affecting selection of fabric.
- III. Dyeing & printing: Classification of dyes & their applicability to different fibres. Methods of dyeing.
- IV. Care & storage of fabric.

Recommended Books:

1. Vastr Vigyan ke Sidhant : Dr. Rani Khanuja
2. Vastr Vigyan : Barma & Pandey

B.A.
SEMESTER-V
HOME SCIENCE HONOURS
CORE COURSE THEORY PAPER-12
HOME DECORATION

HSC-H-C-512T.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Objectives:

1. To understand about interior decoration & different types of flower arrangement, furniture and furnishing materials.

THEORY UNIT

- I. Interior decoration: Elements and principle of design. Colour & its role in home decoration.
- II. Flower arrangement: Meaning and Types.
- III. Planning of rooms for different activities of family: Lighting arrangement in different rooms.
- IV. Furniture & Furnishing: Types & factors affecting purchasing of furniture & home furnishing materials. Care of furniture & furnishing materials.

Recommended Books:

1. Grih Prabandh : Dr. G.P. Shairi
2. Grih Sazza & Grih Vayvastha : Dr. S.P. Sukhiya
3. Parivarik Sadhno ki Vayvastha : Barma & Pandey

B.A.
SEMESTER-V
HOME SCIENCE HONOURS
CORE COURSE PRACTICAL PAPER-11 & 12
CLOTHING & TEXTILE

HSC-H-C-511&512P.
Credits-4

Full Marks: 50
MID SEM:10
END SEM :40
HOURS : 6

Instruction to Question setter for End Semester Practical Examination (ESE) : The questions in practical examination will be of equal to 40 marks and will be of 6 hours duration distribution of marks in practical paper of an end semester examination will be of 60% in performance of experiment 20% in record/note book and 20% in viva-voce.

1. Needle work and tailoring equipments, their uses and care.
2. Preparation of garments
 - (a) Petticoat and blouse
 - (b) Churidar Kurta (Girls)
 - (c) Pajama & Kurta (Boys)
3. Preparation of Embroidered articles.
4. Flower arrangement in different styles.
5. Colour wheel preparation.

B.A.
SEMESTER-V
HOME SCIENCE HONOURS
DISCIPLINE SPECIFIC ELECTIVE THEORY PAPER-1A
CLOTHING & TEXTILE

HSC-H-DSE-501AT.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Objectives:

1. To be familiar with community nutritional problem, cause and its eradication.
2. To know common health hazards and methods of nutritional assessment.

THEORY UNIT

- I. Basic concepts of community nutrition & factors influencing community nutrition.
- II. Common nutritional problems in India: Causes & eradications.
- III. A. Assessment of the nutritional status of community: Anthropometry, clinical examinations, vital statistics.
B. Immunization schedule of infant & children.
- IV. Food habits: Meaning & factors affecting food habits.

Recommended Books:

1. Upcharath Aahar tha Samudayik Poshan : B.K. Bakshi
2. Aahar & Poshan : Barma & Pandey

B.A.
SEMESTER-V
HOME SCIENCE HONOURS
DISCIPLINE SPECIFIC ELECTIVE THEORY PAPER-2A
HUMAN PHYSIOLOGY

HSC-H-DSE-502AT.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Objectives:

To become acquainted with:

1. An elementary idea about human physiology.
2. Role of enzymes & hormones in the body.

UNIT

- I. Human cell, tissues and its functions.
- II. Enzymatic action with special reference to digestion, absorption and metabolism of food.
- III. Endocrine glands and hormones: Thyroid, Adrenal, Pituitary, Pancreas and Reproductive.
- IV. Digestive System: Structure & functions of digestive organs.

Recommended Books:

- | | |
|------------------------|--------------------|
| 1. Food & Nutrition | : MS. Swaminathan |
| 2. Food Science | : Mudambi, S.R. |
| 3. Nutritional Science | : B. Srilakshmi |
| 4. Aahar & Poshan | : Barma & Pandey |
| 5. Poshan Vigyan | : S.P. Sukhiya |
| 6. Aahar Poshan Vigyan | : Dr. Asha Kumari. |

B.A.
SEMESTER-V
HOME SCIENCE HONOURS
DISCIPLINE SPECIFIC ELECTIVE PRACTICAL PAPER 1A&2A

HSC-H-DSE-501A&502AP.
Credits-4

Full Marks: 50
MID SEM:10
END SEM :40
HOURS : 6

Instruction to Question setter for End Semester Practical Examination (ESE) : The questions in practical examination will be of equal to 40 marks and will be of 6 hours duration distribution of marks in practical paper of an end semester examination will be of 60% in performance of experiment 20% in record/note book and 20% in viva-voce.

1. Assessing nutritional status of children by using anthropometric measurement.
2. Clinical methods prepare a project on specific nutritional deficiency disease – identification of symptoms, causes, effect and developing awareness to prevent them.
3. Draw the diagram of different internal physiological system with pointing out the subparts and their name.

B.A.
SEMESTER-V
HOME SCIENCE HONOURS
DISCIPLINE SPECIFIC ELECTIVE THEORY PAPER-1B
CHILDREN WITH DISABILITIES

HSC-H-DSE-501BT.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Unit 1 Introduction to Childhood Disabilities

- Defining disabilities
- Models of disability
- Classifying disabilities
- Social construction of disability
- Demography

Unit 2 Common Childhood Disabilities

Identification, Assessment and etiology with reference to

- Locomotor disability
- Visual disability
- Auditory and speech disability
- Intellectual disability
- Autism
- Learning Disability

Unit 3 Children with Disabilities and Society

- Families of children with disability
- Prevention and management of different disabilities
- Educational practices-Special education and inclusion
- Policy and laws

Recommended Books:

1. Chopra, G., (2012), Early Detection of Disabilities and persons with disabilities in the community. New Delhi: Engage publications.
2. Chopra, G., (2012), Stimulating Development of Young Children with Disabilities Anganwadi and at Home: A Practical Guide. New Delhi: Engage publications.

B.A.
SEMESTER-V
HOME SCIENCE HONOURS
DISCIPLINE SPECIFIC ELECTIVE THEORY PAPER-2B
EXTENSION MANAGEMENT

HSC-H-DSE-502BT.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Unit 1 Extension: Concept

- Extension: concept, goals, philosophy and history
- Adult learning components of extension
- Principles of extension
- Relationship between communication and extension – role of extension in development.

Unit 2 Methods and Approaches of Extension

- Stakeholders in development
- People's participation and social mobilization in development
- Extension systems- types, advantages and disadvantages
- Diffusion of innovation and adoption
- Extension methods and approaches – classification, characteristics and selection

Recommended Books:

1. Mikkelsen, Britha, (2002), Methods for Development Work and Research. New Delhi: Sage Publications.
2. Dale. R, (2004) Evaluating Development Programmes and Projects. New Delhi: Sage Publications.
3. Kumar & Hansra, (1997) Extension Education for Human Resource Development. New Delhi: Concept Publishers.

B.A.
SEMESTER-V
HOME SCIENCE HONOURS
DISCIPLINE SPECIFIC ELECTIVE PRACTICAL PAPER 1B&2B

HSC-H-DSE-501B&502BP.
Credits-4

Full Marks: 50
MID SEM:10
END SEM :40
HOURS : 6

Instruction to Question setter for End Semester Practical Examination (ESE) : The questions in practical examination will be of equal to 40 marks and will be of 6 hours duration distribution of marks in practical paper of an end semester examination will be of 60% in performance of experiment 20% in record/note book and 20% in viva-voce.

1. Visits to organizations working with children with disabilities.
2. Observing children with disabilities in families and institutions.
3. Analysis of development programmes.
4. Evaluate strategies used by development agencies for implementation of development programmes.

B.A.
SEMESTER-V
HOME SCIENCE HONOURS
DISCIPLINE SPECIFIC ELECTIVE THEORY PAPER-1C
TRADITIONAL INDIAN TEXTILES

HSC-H-DSE-501CT.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Unit 1 Study of Textile Crafts of India:

- Woven Textiles-Benaras Brocades, Jamdanis and Baluchars of Bengal, Kani Shawls of Kashmir.
- Embroidered Textiles-Kanthas of Bengal, Kasuti of Karnataka, Phulkari of Punjab, Chikankari of Uttar Pradesh, Kashida of Kashmir, Gujarat embroideries.
- Painted and Printed textiles – Kalamkaris of Andhra Pradesh, Dabu printing of Rajasthan, Ajarakh prints of Gujarat
- Dyed textiles – Bandhmis of Rajasthan and Gujarat, Ikats- Patola of Gujarat, Bandhas of Orissa. Telia Rumal.

Unit 2 Status of Traditional Textiles in Modern India

- Evolution and socio-economic significance of Khadi, Handloom and Handicraft Sector.
- Sustenance of traditional textile crafts
- Interventions by organizations.

Unit 3 Conservation of Textiles

- Care and storage of textiles.

Recommended Books:

1. Agarwal, O.P., 1977, Care and Presentation of Museum projects-II NRL
2. Chattopadhaya, K.D., 1995. Handicrafts of India, Wiley Eastern Limited, N Delhi
3. Das, Shukla, 1992, Fabric Art-Heritage of India, Abhinav Publications, N Delhi.

B.A.
SEMESTER-V
HOME SCIENCE HONOURS
DISCIPLINE SPECIFIC ELECTIVE THEORY PAPER-2C
COMMUNICATION FOR DEVELOPMENT

HSC-H-DSE-502CT.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Unit 1 Concept of Development Communication

- Concept of development, characteristics of developing countries
- Measuring development – Indices of measuring development and classification of countries based on development indices.
- Models of Development – Dominant Paradigm, Basic Needs Model, New Paradigm of development.

Unit 2 Understanding Paradigms of Development

- Press theories: Normative: Authoritarian, Libertarian, Social Responsibility, Democratic Participant theory: Sociological: Uses & Gratification, Agenda setting: Two-Step Flow: Psychological: Bullet Theory
- Success stories in Development Communication

Unit 3 Development Communication and Media

- Traditional Media: Types, characteristics, role in development communication.
- News reporting: Definition of news, ingredients and qualities of news, news value, types of news reports, structure of news reports.
- Television: Programs and genres: Role in development communication

Recommended Books:

1. Narule Uma (1994) Development Communication, New Delhi, Hariand Publication.
2. Servaes, Jan (2008) Communication for Development and Social changes, New Delhi, Sage Publication.
3. Paulo Mefalopulos, Development Communication Sourcebook- Broadening the boundaries of communication, The World Bank, 2008.

B.A.

Under Graduate Department of Home Science Binod Bihari Mahto Koylanchal University, Dhanbad

SEMESTER-V
HOME SCIENCE HONOURS
DISCIPLINE SPECIFIC ELECTIVE PRACTICAL PAPER 1C&2C

HSC-H-DSE-501C&502CP.
Credits-4

Full Marks: 50
MID SEM:10
END SEM :40
HOURS : 6

Instruction to Question setter for End Semester Practical Examination (ESE) : The questions in practical examination will be of equal to 40 marks and will be of 6 hours duration distribution of marks in practical paper of an end semester examination will be of 60% in performance of experiment 20% in record/note book and 20% in viva-voce.

1. Embroidery stitches of traditional embroideries.
2. Tie & dye using various techniques, Batik printing, Block printing.
3. Analysis of media for development communication.
4. Analysis of development indicators – National and International perspectives.

B.A.
SEMESTER-VI
HOME SCIENCE HONOURS
CORE COURSE THEORY PAPER-13
FOOD PRESERVATION & PROCESSING

HSC-H-C-613T.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

- I. A). Food which can be preserved – Food which need to preserved at various seasons.
B). Food preservation – Physical methods, drying, freeze drying, heat treatment, irradiation, high pressure processing, chemical preservatives & normal anti microbial compounds biologically based preservation, system & probiotic bacteria.
- II. A). Spoilage of different groups of food.
B). Importance of microorganism in food.
- III. Fermentation technology – Use of yeast, milk product, fermented vegetables, beer, vinegar, fermented soy products.
- IV. A. Fruits and vegetables processing : Canning with special reference to fruit & vegetables syrup and canned food, precaution to be taken. Principle of food concentration, fruit, concentration, Jam, Jelly.
B. Packaging : Pickles, Chutney, Sauces.

Recommended Books:

1. Bal vikash & parivarik Sambandh : Dr. Mathureshwar Parik.
2. Matrikala & Shishu Kalyan : Dr. G.P. Shairi
3. Manav Vikash : Barma & Pandey
4. Parivarik Sambandh : Barma & Pandey
5. Child Development : Hurlock, E.B.
6. Bal Vikas : Nita Agarwal

B.A.
SEMESTER-VI
HOME SCIENCE HONOURS
CORE COURSE THEORY PAPER-14
EARLY CHILDHOOD CARE & EDUCATION

HSC-H-C-614T.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Objectives:

1. To understand about intelligence, early childhood education.
2. To understand importance of play & family relationship.

UNIT

- I. Child rearing practices: Introduction & different techniques of child rearing.
- II. Early childhood education and its importance, nursery, school-role, scope & importance.
- III. Child parent relationship: Introduction, over protection: cause & impact.
- IV. A. Play: Introduction, utility & importance in development. Types of play & characteristics of child play.
B. Substitute care at home & outside: Introduction, importance.

Recommended Books:

1. Bal vikash & parivarik Sambandh : Dr. Mathureshwar Parik.
2. Matrikala & Shishu Kalyan : Dr. G.P. Shairi
3. Manav Vikash : Barma & Pandey
4. Parivarik Sambandh : Barma & Pandey
5. Child Development : Hurlock, E.B.
6. Bal Vikas : Nita Agarwal

B.A.
SEMESTER-VI
HOME SCIENCE HONOURS
CORE COURSE PRACTICAL PAPER-13&14

HSC-H-C-613&614P.
Credits-4

Full Marks: 50
MID SEM:10
END SEM :40
HOURS : 6

Instruction to Question setter for End Semester Practical Examination (ESE) : The questions in practical examination will be of equal to 40 marks and will be of 6 hours duration distribution of marks in practical paper of an end semester examination will be of 60% in performance of experiment 20% in record/note book and 20% in viva-voce.

1. Jam, Jelly Preparation.
2. Preparation of pickels, chutnieys and sauces.
3. Preparation of play material for child.
4. Preparation of food items for early childhood.

B.A.
SEMESTER-VI
HOME SCIENCE HONOURS
DISCIPLINE SPECIFIC ELECTIVE THEORY PAPER-3A
THERAPEUTIC NUTRITION

HSC-H-DSE-603AT.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Objectives:

1. To gain knowledge about therapeutic diet in different disease and mode of feeding.

CONTENTS UNIT

- I. Principles of diet therapy
- II. Modification of diet –Types, importance
- III. Nutritional management & diet planning for:
 - Under weight & over weight
 - Typhoid
 - Constipation
 - Heart disease: Hypertension
 - Diabetes
 - Peptic ulcer
 - Hepatitis
 - Kidney disease: Kidney failure
- IV. Feeding methods: Meaning & Types.

Recommended Books:

- | | |
|------------------------------|--------------------|
| 1. Aahar & Upchararth Poshan | : B.D. Harpalani |
| 2. Aahariki | : Barma & Pandey |
| 3. Aahar & Poshan | : Barma & Pandey |
| 4. Dietetics | : Sri Lakshmi, B. |
| 5. Food & Nutrition | : M.S. Swaminathan |

B.A.
SEMESTER-VI
HOME SCIENCE HONOURS
DISCIPLINE SPECIFIC ELECTIVE THEORY PAPER-4A
COMMUNITY NUTRITION- II

HSC-H-DSE-604AT.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Objectives:

1. To be familiar with community nutritional problem, cause and its eradication.
2. To understand about role of welfare programme and organization for community health.
3. To know common health hazards and methods of nutritional assessment.

THEORY UNIT

- I. National nutritional programme.
- II. Nutritional education: Objectives, Methods & Importance.
- III. Role of National & International Organization in improving nutritional status of the community.
- IV. Hazards of community nutritional status:
 - Food adulteration
 - Food poisoning
 - Pesticide residues in food
 - Food contamination
 - Food spoilage preservation: Type & Importance.

Recommended Books:

1. Upchararth Aahar and Samudayik Poshan : B.K. Bakshi
2. Aahar & Poshan : Barma & Pandey

B.A.
SEMESTER-VI
HOME SCIENCE HONOURS
DISCIPLINE SPECIFIC ELECTIVE THEORY PAPER-3A&4A

HSC-H-DSE-603A&604AP.
Credits-4

Full Marks: 50
MID SEM:10
END SEM :40
HOURS : 6

Instruction to Question setter for End Semester Practical Examination (ESE) : The questions in practical examination will be of equal to 40 marks and will be of 6 hours duration distribution of marks in practical paper of an end semester examination will be of 60% in performance of experiment 20% in record/note book and 20% in viva-voce.

1. Prepare modified diet for constipation, diabetes patient.
2. Planning and preparation of diet and calculation of nutrient for the patients of :
Cardio – Vascular disease – Hypertension and antherosclerosis
Gastrointestinal Problems – Diarrhiea, Obesity.
3. Planning a day meal for deficiency disease
 - a. Vitamin ‘A’ deficiency
 - b. Calcium deficiency
 - c. Anemia
 - d. Protein calorie malnutrition.
4. Visit to Block & Primary Center.

B.A.
SEMESTER-VI
HOME SCIENCE HONOURS
DISCIPLINE SPECIFIC ELECTIVE THEORY PAPER-3B
CHILD RIGHT AND GENDER EMPOWERMENT

HSC-H-DSE-603BT.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Objectives:

1. **Understanding Child Rights**
 - Meaning of Child Rights and Convention of Child Rights
 - Knowing disadvantage and exclusion in relation to children
 - Demographic profile of the child in India
 - The role of state, family and children in promotion and protection of child rights
2. **Children in Different circumstances**
 - Street children, working children and homeless children
 - Child Abuse
 - Child Trafficking
 - Children in conflict with law
 - Laws and policies
3. **Conceptualizing Gender**
 - Defining terms sex, gender, masculinity, femininity
 - Socialisation for gender- gender roles, gender stereotypes
 - Patriarchy and social institutions
 - Perspectives on feminism
4. **Gender Empowerment**
 - Demographic profile
 - Issues and concerns related to girls and women in India
 - Media and gender
 - Laws, policies and programmes for girls and women in India

Recommended Books

1. Agarwal, A & Rao, B.V. (2007), Education of Disabled Children, New Delhi: Eastern Book Corporation.
2. Agnes, F. (1999) Law and Gender Inequality: The politics of Women's Right in India. Oxford University Press.
3. Bajpai, A (2006) Child Rights in India: Law, Policy and Practice. Oxford University Press.
4. Kishwar, M. (1999) Off the Beaten Track: Rethinking Gender Justice for India Women. New Delhi: Oxford University Press.

B.A.
SEMESTER-VI
HOME SCIENCE HONOURS
DISCIPLINE SPECIFIC ELECTIVE THEORY PAPER-4B
BASICS OF DESIGN APPLICATION

HSC-H-DSE-604BT.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Objectives:

Unit 1 Design Fundamentals

- Objectives of Arts & Interior Design.
- Types of Design: Structural & Decorative.
- Elements of Content: Space, Point, Line, Shape, Form, Texture, Light & Color
- Principles of Composition – Rhythm, Balance, Proportion, Emphasis, Unity, (Variety, Simplicity/Economy/Suitability).
- Composition of a Drawing – Harmony, Clarity, Adequacy.
- Color & Application.
 - Dimension of color.
 - Importance of color & its role in creation of the design.
 - Color system & Theories.
 - Color Harmonies.
 - Principles of Design as applied to color use.
 - Color Forecasting.

Unit 2 Furniture & Furnishings: Historical Perspectives & Contemporary Trends

- History of Interior Design – including periods like Mughal Architecture, Colonial style Renaissance.
- Furniture – Type, Construction, Selection and purchase, Arrangement, Care at maintenance.
- Furnishings – selection, care and maintenance of fabrics used for –
Soft furnishings: curtains and draperies, upholstered furniture, cushions at pillows etc.
Floor coverings
- Accessories – Uses, Classification, Design, Selection & Arrangement.
- Traditional and Modern Surface Finishes – types and uses
 - Furniture
 - Wall
 - Floor
 - Ceilings
 - Roofing

Recommended Books

1. Lawrence M. (1987), Interior Decoration, New Jersey: Chartwell Books.
2. Riley & Bayen, (2003), The Elements of Design, Mitchell Beazley.

B.A.
SEMESTER-VI
HOME SCIENCE HONOURS
DISCIPLINE SPECIFIC ELECTIVE PRACTICAL PAPER 3B&4B

HSC-H-DSE-603B&604BP.
Credits-4

Full Marks: 50
MID SEM:10
END SEM :40
HOURS : 6

Instruction to Question setter for End Semester Practical Examination (ESE) : The questions in practical examination will be of equal to 40 marks and will be of 6 hours duration distribution of marks in practical paper of an end semester examination will be of 60% in performance of experiment 20% in record/note book and 20% in viva-voce.

1. Understanding child rights and children in diverse social groups through visits.
2. Interactions with children in difficult circumstances.
3. Color – Color wheel Dimension & Harmonies of color.
4. Furniture & Furnishing plans of specific areas: Middle income group house, office.

B.A.
SEMESTER-VI
HOME SCIENCE HONOURS
DISCIPLINE SPECIFIC ELECTIVE THEORY PAPER-3C
CONSUMER EDUCATION AND CONSUMER SAFETY

HSC-H-DSE-603CT.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Unit – I – Consumer Education: Brief History, Definition, Concept and Significance, needs, objectives.

Unit – II – Consumer Protection : Need, Measure and methods. Role of consumer organization- National and International Consumer, International Regional Offices at Pune, India.

Unit – III – Future of consumer Education : Needs for research, organizing implementing. Organization role – Agencies conducting and supporting research. Formulation of projects in consumer research. Empowerment of consumers.

Unit – IV- Quality Control and Standardization for : Food, Textile, Consumer durable, Building materials.

Recommended Books

1. Chandra, R. (1995) : The emerging consumer, New Age International Publishers Ltd. and Wiley Eastern Ltd, New Delhi.
2. Margery, K. Schiller (1989) : A guide book for teaching consumer.

B.A.
SEMESTER-VI
HOME SCIENCE HONOURS
DISCIPLINE SPECIFIC ELECTIVE THEORY PAPER-4C
ENTREPRENEURSHIP MANAGEMENT

HSC-H-DSE-604CT.
Credits-4 (Lecture-60)

Full Marks: 75
MID SEM:15
END SEM :60
HOURS : 3

Instructions to Question Setter for End Semester Examination (ESE) :

There will be two groups of questions five questions to be answered out of nine questions Group-A is compulsory and will contain two questions. Question No.1(A) will be MCQ of 1 marks (six questions). Question No. 1(B) will be short answer type to be answered in about 50 words of 3 marks (2 questions). Group B will contain descriptive type eight questions of twelve marks each out of which any four are to answer. Each question carries 12 marks.

Unit – I – Conceptual Framework: Concept need and process in entrepreneurship development. Government policies and schemes for enterprise development. Institutional support in enterprise development and management.

Unit – II – The Entrepreneur : Developing Entrepreneurial competencies self awareness, interpersonal skills, creativity assertiveness, achievement, factors affecting entrepreneur's role.

Unit – III – Growth strategies : Performance appraised and assessment

Unit – IV – Consumer Protection : Need, measure and methods. Consumer laws-role and provision of the implication.

Recommended Books

1. Akhauri M.M.P. (1990) : Entrepreneurship for women in India, NIESBUB, New Delhi.
2. Hisrich, R.D. and Brush, C.G. (1986) The Women Entrepreneurs, D.C. Health and Co. Toronto

B.A.
SEMESTER-VI
HOME SCIENCE HONOURS
DISCIPLINE SPECIFIC ELECTIVE PRACTICAL PAPER 3C&4C

HSC-H-DSE-603C&604CP.
Credits-4

Full Marks: 50
MID SEM:10
END SEM :40
HOURS : 6

Instruction to Question setter for End Semester Practical Examination (ESE) : The questions in practical examination will be of equal to 40 marks and will be of 6 hours duration distribution of marks in practical paper of an end semester examination will be of 60% in performance of experiment 20% in record/note book and 20% in viva-voce.

1. Study of labels of consumer goods for safety, instructions for care and maintenance, quality marks etc.
2. Preparation of a list for quality control and standardization for food and building material.
3. SWOT analysis with respect to entrepreneurial competencies through case profiling of successful entrepreneurs and enterprises.
4. Preparation of tools of evaluation, observation sheet.

Format of question paper of End Semester Theory Examination



Binod Bihari Mahto Koylanchal University, Dhanbad

End-Semester Examination XXXX (Session: XXXX-XX)

Subject/Code:

Full Marks: 60

Pass Marks: 24

Time: 3 Hours

General Instructions:

Candidates are required to give their answers in their own words as far as practicable.

The Questions are of equal value.

Answer any five questions of the following in which Q.1 is compulsory.

Group A

1. (A) Multiple Choice Questions (1x6=06)
- (i)
- (ii)
- (iii)
- (iv)
- (v)
- (vi)
- (B) Short answer type questions (3x2=06)
- (a)
- (b)

Group B

**(Long answer type questions)
Answer any four of the following**

(12x4=48)

2.
3.
4.
5.
6.
7.
8.

9. **Short notes type questions** (6x2=12)
- (a)
- (b)
- (c)
- (d)

Format of question paper of End Semester Theory Examination



Binod Bihari Mahto Koylanchal University, Dhanbad

End-Semester Examination XXXX (Session: XXXX-XX)

Subject/Code:

Full Marks: 40

Pass Marks: 16

Time: 2 Hours

General Instructions:

Candidates are required to give their answers in their own words as far as practicable.

The Questions are of equal value.

Answer any five questions of the following in which Q.1 is compulsory.

Group A

1. (A) Multiple Choice Questions (1x4=04)
- (i)
- (ii)
- (iii)
- (iv)
- (B) Short answer type questions (2x2=04)
- (a)
- (b)

Group B

(Long answer type questions)
Answer any four of the following

(8x4=32)

2.
3.
4.
5.
6.
7.
8.

9. **Short notes type questions** (4x2=8)
- (a)
- (b)
- (c)
- (d)

Format of question paper of Mid Semester Theory Examination



Binod Bihari Mahto Koylanchal University, Dhanbad

Mid-Semester Examination XXXX (Session: XXXX-XX)

Subject/Code:

Full Marks: 15

Pass Marks: 06

Time: 1½ Hours

General Instructions:

Candidates are required to give their answers in their own words as far as practicable.

The Questions are of equal value.

Answer any three questions of the following in which Q.1 is compulsory.

Group A

1. Multiple Choice Questions (1x5=05)
- (i)
 - (ii)
 - (iii)
 - (iv)
 - (v)

Group B

(Long answer type questions)
Answer any two of the following

(5x2=10)

- 1.
- 2.
- 3.

Syllabus for
Bachelor of Science/Arts/Commerce in
Skill Enhancement Course (SEC),
Honours/Gen/Pass)
Under Choice Based Credit System

Academic Session:
w.e.f. 2020-2023



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for

All Constituent/Affiliated Colleges Under

**Binod Bihari Mahto Koyalanchal
University, Dhanbad**

**Members of Board of Studies of CBCS Under- Graduate Syllabus as
per Guidelines of the Binod Bihari Mahto Koyalanchal University,
Dhanbad.**

1. Chairman ---- Dr. Birendra Kumar
2. External expert members----Dr. B.K. Sinha (Principal)
3. Members-----
4. Invited members----
5.

SKILL ENHANCEMENT COURSES(SEC)

1. Constitution of India and Human Right

(Credit: Theory-02), Theory-30 Lectures.

Marks:10(MSE:1/2 Hrs) + 40 (ESE: 2 Hrs) =50.

Pass Marks: (MSE:04 + ESE: 16) =20

Instruction to Question Setter for

Mid Semester Examination (MSE): ½ Hrs.

One semester internal Assessment (SIA) of 10 marks

End Semester Examination(ESE) :2 Hrs

There will be two groups of questions. Five questions to be answered out of Nine Questions. Question No.1(A) will be MCQ of 1 mark each (four questions). Question No.1 (B) will be short answer type to be answered in about fifty words of 2 marks (2 Questions).

Group B will contain descriptive type of eight questions of eight marks each, out of which any four are to answer. Each question carry 08 marks. The question no. 9 will be of short notes type, each carrying four marks (4x2=8) in which only two should be answered out of four options.

Unit 1: Characteristics of Indian Constitution 05 Classes

i. Parliamentary form of Government.

ii. Federal State

iii. Rule Of Law.

iv. Secular State

v. Socialistic State

Vi. Republic

Unit 2-Fundamental Rights and Duties 05 classes

i. Natural Rights and Fundamental Rights.

ii. Fundamental Rights and 42nd amendment.

iii. Right to equality, freedom, Constitutional remedies, Freedom of Religion,

iv. Fundamental Duties.

Unit 3: Emergency provision in Indian Constitution 04 classes

i. National Emergency.

ii. president rule.

Under Graduate Department of Home Science Binod Bihari Mahto Koylanchal University, Dhanbad

iii. Financial Emergency.

Unit 4 : Evolution, Concept and Meaning of Human Rights. 05 classes

i. Evolution of Human Rights

- a. Contribution of Rules.
- b. contribution of Religious Texts and Preachers.
- c. contribution of Thinkers.
- d. Contributions of Constitutional Measures.
- e. contributions of international organisations.

ii. Contribution of International Organisations. 05 classes

Unit 5 :Classification and Types of human rights

i. Political,Social,Economic and Cultural Rights

ii. 1st Generation,2nd Generation, 3rdGeneration of Human Rights.

iii. Positive and Negative Human Rights.

iv. Individual Human rights and Collective Human Rights.

v. Types

Unit 6 : Universal Declaration of Human Rights 1948 06classes

i. Importance

ii. Preamble

iii. Article 1-30

Essential Reading :

1. Bakshi,P.M.(2012)The constitution of India, New Delhi : Universal Law
2. Fadia B. L.(2013).Indian Government and Politics. Agra: Sahitya Bhawan
- 3.Ghai, K.K. (2012) Indian Government and Politics, New Delhi: PHI Learning.

X-----X-----X-----X-----X-----
X

2.Environment and Public Health

(Credit: Theory 02), Teory-30 Lectures

Marks:10(MSE:1/2 Hrs) +40 (ESE (ESE: 2 Hrs) =50.

Pass Marks: (MSE:04 + ESE: 16) =20

Instruction to Question Setter for

Mid Semester Examination (MSE): 1/2 Hrs

One semester internal Assessment (SIA) of 10 marks

End Semester Examination(ESE) : 2Hrs

There will be two groups of questions. Five questions to be answered out of Nine Questions. Question No.1(A) will be MCQ of 1 mark each (four questions). Question No.1 (B) will be short answer type to be answered in about fifty words of 2 marks (2 Questions)

Group B will contain descriptive type of eight questions of eight marks each, out of which any four are to answer. Each question carry 08 marks. The question no. 9 will be of short notes type, each carrying four marks (4x2=8) in which only two should be answered out of four options.

Unit I - Linkages between Environment and Health Hours Understanding linkages between Environment and Public Health: Effect of quality of air, water and soil on health. Perspective on Individual health: Nutritional, socio-cultural and developmental aspects, Dietary diversity for good health; Human developmental indices for public health. 06-classes

Unit II - Climate Change and Implications on Public Health Global warming - Agricultural practices (chemical agriculture) and Industrial technologies (use of non-biodegradable materials like plastics, aerosols, refrigerants, pesticides); Manifestations of Climate change on Public Health Burning of Fossil fuels , automobile emissions and Acid rain. 08 -classes

Unit III - Perspectives and Interventions in Public Health Epidemiological perspectives — Disease burden and surveillance; Alternative systems of medicine - Ayurveda, Yoga, Unani, Siddha and Homeopathy (AYUSH); Universal Immunization Programme (UIP); Reproductive health-Youth Unite for Victory on AIDS (YUVA) programme of Government of India. Occupational health hazards-physical-chemical and biological. Occupational diseases- prevention and control. 08 -classes

Unit IV - Environmental Management Policies and Practices Municipal solid waste management: Definition, sources, characterization collection and transportation and disposal methods. Solid waste management system in urban and rural areas. Municipal Solid waste rules. Policies and practices with respect to Environmental Protection Act, Forest Conservation Act, Wild life protection Act, Water and Air Act, Industrial, Biomedical and E waste disposal rules. 08classes

3.Computer Applications and Information Technology

(Credits: Theory-02) , Theory-30 lectures.

Marks:10(MSE:1/2 Hrs) + 40 (ESE: 2 Hrs) =50.

Pass Marks: (MSE:04 + ESE: 16) =20

Instruction to Question Setter for

Mid Semester Examination (MSE): 1/2 Hrs

One semester internal Assessment (SIA) of 10 marks

End Semester Examination(ESE) : 2 Hrs

There will be two groups of questions. Five questions to be answered out of Nine Questions. Question No.1(A) will be MCQ of 1 mark each (four questions).Question No.1 (B) will be short answer type to be answered in about fifty words of 2 marks (2 Questions).Group B will contain descriptive type of eight questions of eight marks each, out of which any four are to answer. Each question carry 08 marks.The question no. 9 will be of short notes type, each carrying four marks (4x2=8) in which only two should be answered out of four options.

Unit-01 (9L)

Fundamentals of computer (with Computer architecture); Multimedia: Introduction, Definitions, Where use Multimedia-Multimedia in Business, School, Home, Public Places, Virtual; Delivering Multimedia.

Text: Meaning, Fonts and Faces, Using Text in Multimedia, Computer, and Text, Font Editing, and Design Tools, Hypermedia and Hypertext;

Sound: The power of Sound, Digital Audio, MIDI Audio, MIDI vs Digital Audio, Multimedia System Sounds, Audio File Formats.

Unit-02 (5L)

Cloud computing The Internet and Multimedia: Internet History, Internetworking, Multimedia on the Web.

Computer Network: Components of the Network, Communication medium, LAN, WAN, HTTP protocol, Server, Client

Unit-03 (9L)

Introduction to Information Security: Introduction, History of Information security, what is security, Critical characteristics of information, components of information system, approaches to information security implementation;Cloud computing, Artificial Intelligence

Unit-04 (7L)

Security for Business, threats, attacks, secure software;

Hacking: Introduction, Legal, Ethical and Professional Hacking, International Laws and Legal bodies

Reference Books –

Nishit Mathur, Fundamentals of Computer , Aph publishing corporation(2010)

Misty E. Vermaat,.Microsoft word 2013 1st Edition (2013).

Satish Jain, M.Geeta, MS- Office 2010 Training Guide, BPB publication (2010) Joan Preppernau, Microsoft PowerPoint 2016 step by step, Microsoft press(2015) Douglas E Corner,

The Internet Book 4th Edition, prentice –Hall(2009) Faithe wempen, word 2016 in depth 1st edition, que publishing(2015) Steven welkler, Office 2016 for beginners, Create Space Independent

4. Capital and Stock Market

(Credit: Theory 02), Theory-30 Lectures

Marks:10(MSE: ½ Hrs) +40 (ESE :2 Hrs) =50.

Pass Marks: (MSE:04 + ESE: 16) =20

Instruction to Question Setter for

Mid Semester Examination (MSE): 1/2 Hrs

One semester internal Assessment (SIA) of 10 marks

End Semester Examination(ESE) :2 Hrs

There will be two groups of questions. Five questions to be answered out of Nine Questions. Question No.1(A) will be MCQ of 1 mark each (four questions). Question No.1 (B) will be short answer type to be answered in about fifty words of 2 marks (2 Questions).

Group B will contain descriptive type of eight questions of eight marks each, out of which any four are to answer. Each question carry 08 marks. The question no. 9 will be of short notes type, each carrying four marks (4x2=8) in which only two should be answered out of four options.

Unit-I

Introduction of capital market, difference between capital and stock market. SEBI guideline for capital and stock market. 10 classes

Unit-II

Calculation of Net Present Value (NPV) for single payment, calculation of NPV for PVIFA, FV and Future Value Interest Factor Annuity (Mathematical Calculations).10- classes

Unit-III

Valuation of Equity by Balance Sheet, Dividend Discount Model (DDM), Price Equity Method (PEM), Capital Asset Pricing Method (CAPM), Valuation of Preference Share and Bond.10-classes

References:

1. Financial Management, I.M. Pandey, Vikash Publication.
2. Financial Management, PrasannaChandra, Tata Mc Grawhill.

5. Banking and Finance

(Credit Theory 02), Theory-30 Lectures

Marks: 10(MSE: 1/2 Hrs) + 40 (ESE : 2 Hrs) = 50.

Pass Marks: (MSE: 04 + ESE: 16) = 20

Instruction to Question Setter for

Mid Semester Examination (MSE): 1/2 Hrs

One semester internal Assessment (SIA) of 10 marks

End Semester Examination (ESE) : 2 Hrs

There will be two groups of questions. Five questions to be answered out of Nine Questions. Question No. 1(A) will be MCQ of 1 mark each (four questions). Question No. 1 (B) will be short answer type to be answered in about fifty words of 2 marks (2 Questions).

Group B will contain descriptive type of eight questions of eight marks each, out of which any four are to answer. Each question carry 08 marks. The question no. 9 will be of short notes type, each carrying four marks (4x2=8) in which only two should be answered out of four options.

Unit. I

Banking and financial institutions in India: Commercial banks, Co-operative Banks, Regional Rural banks, Agriculture and Rural Development Banks (SLDBs), Development Banks and NBFCs; their constitution, Functions, working and evolution. 10-classes

Unit. II

Financial markets: Structure, institution and operating mechanism and its role in Economic Development. Developed and Underdeveloped Markets, Money Market in India: Importance, features instruments. 10-classes

Unit. III

Capital Markets in India: New issue market and stock exchange, importance of stock exchanges: National stock exchange, methods of floating new issues, types of shares and debentures, These securities and Exchange Board of India (SEBI), need for establishment of SEBI. Objectives and role of SEBI. 10-classes

References:

1. Practice of Law of banking by H.R Soneji
2. Banking Law and Practice by P.N. Varshney.
3. Practice of banking Advances by Bedi and Hardikar.
4. Law and Practice of Banking by P.N. Varshney and Gopal Swaroop.
5. Banking-Theory, Law and Practice by Gordon & Natarajan.

6. Entrepreneurship

(Credit Theory 02), Theory-30 Lectures
Marks:10(MSE:1/2 Hrs) +40 (ESE: 2 Hrs) =50.

Pass Marks: (MSE:04 + ESE: 16) =20

Instruction to Question Setter for

Mid Semester Examination (MSE): 1/2 Hrs

One semester internal Test (SIA) test of 10 marks

End Semester Examination(ESE) : 2Hrs

There will be two groups of questions. Five questions to be answered out of Nine Questions. Question No.1(A) will be MCQ of 1 mark each (four questions). Question No.1 (B) will be short answer type to be answered in about fifty words of 2 marks (2 Questions).

Group B will contain descriptive type of eight questions of eight marks each, out of which any four are to answer. Each question carry 08 marks. The question no. 9 will be of short notes type, each carrying four marks (4x2=8) in which only two should be answered out of four options.

Unit-I

Meaning, concept, characteristics and types of entrepreneurs.

Development of entrepreneurship, Culture, Stages in Entrepreneurship processes. 06 -classes.

Unit-II

Micro, small and medium Enterprise Industries in India.

08-classes

Unit-III

Public and private system of stimulation, support and sustainability of Entrepreneurship, Requirement, Availability and access to Finance, Marketing Assistance, Technology and Industrial Accommodation.08-classes

Unit-IV

Identification of Business idea, project formulation and Business plan, Project report, Appraisal.08-classes

Book Recommended:

1. Desai. V. Dynamic of Entrepreneurial Development and Management.
2. Batra Dangwal, Entrepreneurship and scale Industries.
3. Malhotra I. S and Gupta S.L. Management of small-scale Industries. New Delhi, Galgotia
4. Drucker, Peter Innovation and Entrepreneurship. East West Press (P) Ltd., 1992.
5. Gupta, C.B and Srinivasan, Entrepreneurial Development in India

7.Human Resource Development

(Credit Theory 02), Theory-30 Lectures

Marks:10(MSE: ½ Hrs) +40 (ESE :2 Hrs) =50.

Pass Marks: (MSE:04 + ESE: 16) =20

Instruction to Question Setter for

Mid Semester Examination (MSE): ½ Hrs

One semester internal Assessment (SIA) of 10 marks

End Semester Examination(ESE) : 2 Hrs

There will be two groups of questions. Five questions to be answered out of Nine Questions. Question No.1(A) will be MCQ of 1 mark each (four questions). Question No.1 (B) will be short answer type to be answered in about fifty words of 2 marks (2 Questions).

Group B will contain descriptive type of eight questions of eight marks each, out of which any four are to answer. Each question carry 08 marks. The question no. 9 will be of short notes type, each carrying four marks (4x2=8) in which only two should be answered out of four options.

Objective: This is a follow up course of Personnel Management into a broader area and perspective. The purpose of this course is to provide an in-depth knowledge of the concepts, principles, methods of HRM.

Unit I

Definition of HRD, Nature and scope of HRD, HRM and FIND - Comparison and contrast; Concepts., objectives, processes, issues and emerging trends. (10 classes)

Unit II

Career Planning and Development: Introduction, Meaning and objectives, Individual Career Planning, Career Management Meaning and Element, Benefits of career Planning and Development, Limitations and Steps in Effective Career Planning and Development. (10 classes)

Unit III

Learning Processes, principles, Management development methods and Benefits of Management developments Programs; HRD experiences at Indian Corporate Level. (10 classes)

References:

1. Srivastava, M.P Human Resource Planning (1997). Inst. Of Applied Manpower Research, New Delhi.
2. Maheshwari, B.L.& Sinha, D.P. Management of Change through HRD (1991). Tata McGraw Hill, New Delhi.
- 3.
4. Pareek, Udai and Nair, M.R. Managing Transitions; The HRD Response (1992) Tata McGraw Hill, New Delhi.
5. Silvere, D.N. HRD; The Indian Experience, (1991), New Delhi.
6. Brinkerhoff, Robert O. Achieving Results from Training; How to evaluate HRD to strengthen Programmers and Increase Impact (1987), Jossey Bas, San Francisco.

7.

8.

9.

8. BUILDING MATHEMATICAL ABILITY

(Credit Theory 02), Theory-30 Lectures

Marks: 10(MSE:1/2 Hrs) +40 (ESE: 2 Hrs) =50.

Pass Marks: (MSE:04 + ESE: 16) =20

Instruction to Question Setter for

Mid Semester Examination (MSE): ½ Hrs

One semester internal Assessment(SIA) of 10 marks

End Semester Examination(ESE) : 2 Hrs

There will be two groups of questions. Five questions to be answered out of Nine Questions.

Question No.1(A) will be MCQ of 1 mark each (four questions). Question No.1 (B) will be short answer type to be answered in about fifty words of 2 marks (2 Questions).

Group B will contain descriptive type of eight questions of eight marks each, out of which any four are to answer. Each question carry 08 marks. The question no. 9 will be of short notes type, each carrying four marks (4x2=8) in which only two should be answered out of four options.

Unit-I

Number System

10. Introduction to Natural numbers, integers, rational, real, Complex and prime numbers. There sums and products. Euclid division algorithm. Encryption and prime numbers. (08-classes)

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UNIT – 11

Linear equations

11. Linear equations and inequations in two variables x and y. Introduction to 202 matrices. Solution of simultaneous linear equations by matrix. Linear equations represented by straight lines. Finding region bounded by a set of linear inequations. (08classes)

UNIT – III

Statistics

13. Data and its collection in Statistics. Tally sign and frequency table. Presentation of data by charts and curves — dot plots, bar graphs, line graphs, frequency curves. Mean, median, mode of a data. Population *and* sample. (07classes)

UNIT – IV

Probability

15. Experiment, outcomes, events, types of events, sample space. Probability of occurrence of an event. Addition and multiplication formulae. Simple problems on probability. (07-classes)

Reading List

1. Building Mathematical Ability By S.Chand-S.Chand Publishing.
2. Parks,H.M.(2007)A Mathematical View of our world (1 ed.). Thomsons Brooks Cole.

9. Life Skill & Personality Development

Under Graduate Department of Home Science Binod Bihari Mahto Koylanchal University, Dhanbad

(Credit Theory 02),Theory-30 Lectures
Marks:10(MSE: ½ Hrs) +40 (ESE: 2Hrs)=50.

Pass Marks: (MSE:04 + ESE: 16) =20

Instruction to Question Setter for

Mid Semester Examination (MSE):1/2 hrs.

One semester internal Assessment (SIA) of 10 marks

End Semester Examination(ESE) :2 Hrs

There will be two groups of questions-Group A and Group B

Five questions to be answered out of Nine Questions.

Question No.1(A) Of Group A will be MCQ of 1 mark each (four questions).Question No.1 (B) of Group A will be short answer type to be answered in about fifty words of 2 marks (2 Questions).

Group B will contain descriptive type of eight questions of eight marks each, out of which any four are to answer. Each question carry 08 marks. The question no. 9 will be of short notes type each carrying four marks (4x2=8) in which only two should be answered out of four options.

Objective: -The objective of this paper is to acquaint the students with life skill and Personality Development. This paper act as a guideline for the students who are ready to plunge into highly competitive world.

Unit I

Self-awareness and creating self-image: -

Concept of Life Skill, SWOT analysis, intrapersonal Emotional quotient, Self-confidence, Self-esteem, Self —development, Self-respect, Personal hygiene, grooming and dress code.

Unit II

Effective communication Skill: -

Concept of communication, nature of communication, importance of communication, process of communication, building rapport, how to ask questions intelligently, facing the interview, how to write impressive resume, adequate and manners

Unit III

Know Your Personality: -

Concept of Personality Development, Stages of Personality Development, Determinants of Personality developments, Ethics and Values, attitudes and behavior, Perceptions, Self-motivation, Legacy, Interpersonal relationship.

References: -

1. Bhatia, R.C, Personality Development, one books Pvt. Ltd., New Delhi.
2. Madhukar. R. K, Business Communication, Vikash Publication House, Pvt.Ltd, New Delhi.

Bruckmaan. G.C& Hartley Peter, Business Communication, Ane Books Pvt.Ltd, New Delhi

10. **Science and Life**

(Credit Theory 02), Theory-30 Lectures

Marks:10(MSE: 1/2hrs) +40 (ESE:2Hrs) =50.

Pass Marks: (MSE:04 + ESE: 16) =20

Instruction to Question Setter for

Mid Semester Examination (MSE): 1/2 Hrs

One semester internal Assess(SIA) of 10 marks

End Semester Examination(ESE) : 2 Hrs

There will be two groups of questions-Group A and Group B

Five questions to be answered out of Nine Questions.

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Question No.1(A) Of Group A will be MCQ of 1 mark each (four questions). Question No.1 (B) of Group A will be short answer type to be answered in about fifty words of 2 marks (2 Questions).

Group B will contain descriptive type of eight questions of eight marks each, out of which any four are to answer. Each question carry 08 marks. The question no. 9 will be of short notes type each carrying four marks (4x2=8) in which only two should be answered out of four options.

Unit-I

Basic components of science and its brief idea.

- i. Life science:-cell and its structure. Brief idea of respiration, digestion and growth.
- ii. Chemical science: Organic and inorganic molecules. Macro and micronutrients with special reference to carbohydrate, fat and protein.
- iii. Physical science: basic idea of diffusion, osmosis and turgor pressures. Light as source of energy, Gravitation and gravitational forces.

Unit-2

Science and Human Health.

- I. Different type of vitamins, their sources and diseases caused by their deficiency
- ii. Diseases caused by microbes. Their preservation.
- iii. Common medicinal plants-crops, vegetables, fruits, spices.

Unit-III

Science and Food security.

- I. Green revolution and second green revolution.
- ii. Common food plants-crops, vegetables, fruits spices.
- iii. Agricultural sciences of Jharkhand.

Unit-IV

Science Environment and Man.

- i. Basic idea of climate changes and its impact.
- ii. Environmental problem, its impact and management.
- iii. Environmental awareness.

11.Indian history, Culture and Diversity

(Credit Theory 02),Theory-30 Lectures

Marks:10(MSE:1/2 Hrs) +40 (ESE : 2 Hrs)=50.

Pass Marks: (MSE:04 + ESE: 16) =20

Instruction to Question Setter for

Mid Semester Examination (MSE): 1/2 Hrs

One semester internal assessment (SIA) of 10 marks

End Semester Examination(ESE) : 2 Hrs

There will be two groups of questions-Group A and Group B

Five questions to be answered out of Nine Questions.

Question No.1(A) Of Group A will be MCQ of 1 mark each (four

questions).Question No.1 (B) of Group A will be short answer type to be answered in about fifty words of 2 marks (2 Questions).

Group B will contain descriptive type of eight questions of eight marks each, out of which any four are to answer. Each question carry 08 marks. The question no. 9 will be of short notes type each carrying four marks (4x2=8) in which only two should be answered out of four options.

Unit-I

History and Culture through the Ages:

- i. Ancient India.
- ii. Medieval India.
- iii. Modern India.
- iv. Indian languages and literature.

Unit- II

Religion and Philosophy

- i. Religion and Philosophy in Ancient India
- ii. Religion and Philosophy in medieval India
- iii. Religion and social reform movement in modern India.
- iv. Folklore and oral traditions.

Unit-III

Painting, performing Arts and Architecture:

- i. Indian painting
- ii.Indian music, dance and drama
- iii. Indian architecture and Sculpture
- iv. Tribal arts and crafts in Jharkhand in Jharkhand

Unit-IV

Ethnic and cultural Diversity:

- i. Tribal movements in Jharkhand and their leaders.
- ii. Fairs, festivals and socio-cultural traditions with special reference to Jharkhand.
- iii. Indian sports and games.
- iv. Socio-cultural issues in contemporary India.

Suggested readings:-

1. Basham,A.L., The wonder that was India,Picador,pan macmillan,London,2004
2. Bose,N.K., Culture and Society in India, Asia Publishing House,1967.
- 3.Chandra, satish, Medieval India, Vol, I and II, Har-Anand, New Delhi,2015.
4. Chandra,Bipan,History of Modern India, orient Blackswan,New Delhi,2016
- 5.Dube,S.C., Tribal heritage of india,Vikas,New Delhi,2007.

12.Soft Skills

(Credit Theory 02),Theory-30 Lectures,

Marks:10(MSE:1/2 hrs.) +40 (ESE:2Hrs) =50

Pass Marks: (MSE:04 + ESE: 16) =20

Instruction to Question Setter for

Mid Semester Examination (MSE):1/2hrs. Hrs

One semester internal Assessment (SIA) of 10 marks

End Semester Examination(ESE) : 2 Hrs

There will be two groups of questions-Group A and Group B

Five questions to be answered out of Nine Questions.

Question No.1(A) Of Group A will be MCQ of 1 mark each (four

questions).Question No.1 (B) of Group A will be short answer type to be answered in about fifty words of 2 marks (2 Questions).

Group B will contain descriptive type of eight questions of eight marks each, out of which any four are to answer. Each question carry 08 marks. The question no. 9 will be of short notes type each carrying four marks (4x2=8) in which only two should be answered out of four options.

Course Description

The course intends to transfer soft skills and numeric ability skills to the students which will help them in accessing job opportunities particularly in the banking sector

1. Resume writing and Interviewskills

Resume Writing: What is Resume? Types of Resume? Chronological, Functional and Mixed Resume, Steps in preparation of Resume. Interview Skills: Common interview Questions, Attitude, Body Language, The mock interviews, Phone interviews, Behavioral Interviews. 10 classes

2. Group discussion (GD) and teambuilding

Group Discussion: Group Discussion Basics, GD Topics for Practice, Points for GD Topics, Case- Based and Article based Group Discussions, Points for Case Studies, and Notes on Current Issues for GD. 10 classes

3. NumericalAbility

Average, Percentage, Profit and Loss, Simple Interest, Compound Interest, Time and Work, Pipes and Cisterns, -Time and Distance, Problems on Trains, Boats and Streams Calendar, Ratios and Proportions. 10 classes

Basis Readings:

- 1. Agarwal.R. S (2010) Quantitative Aptitude, S. Chand and Sons
- 2. Prasad. L.M (2000)
- Organizational Behavior S. Chand Khera. Shiv.You Can Win MC Millan Books, Revised Edison