



પરિપત્ર:

ભક્તકવિ નરસિંહ મહેતા યુનિવર્સિટી સંલગ્ન સાયન્સ વિદ્યાશાખાનાં અભ્યાસક્રમ ચલાવતી તમામ કોલેજોનાં આચાર્યશ્રીઓને સવિનય જણાવવાનું કે સાયન્સ વિદ્યાશાખા હેઠળનો NEP-૨૦૨૦ અંતર્ગતનો હોમ-સાયન્સ વિષય (બી.એસ.સી હોમ-સાયન્સ વિથ ઓનર્સ) સેમ-૦૧ના અભ્યાસક્રમમાં રિવાઈઝડ પેપર સ્ટાઈલ (SOP, શિક્ષણ વિભાગ, ગુજરાત સરકાર ની ગાઈડલાઈન્સ પ્રમાણે) & સેમ-૦૨ ૨૦૨૩-૨૪નો અભ્યાસક્રમ આ સાથે સામેલ છે. જે આપને વિદિત થાય.

માનનીય કુલપતિશ્રીની મંજૂરી અનુસાર સદર અભ્યાસક્રમ શૈક્ષણિક વર્ષ જુન, ૨૦૨૩ થી અમલવારી કરવાની રહે છે. સાયન્સ વિદ્યાશાખાનાં અભ્યાસક્રમ ચલાવતી તમામ સંલગ્ન કોલેજો ધ્વારા તેની અમલવારી કરવા જણાવવામાં આવે છે.



[Signature]
76/10/2024

ખાસ ફરજ પરના અધિકારી
(એકેડેમિક)

ક્રમાંક/બીકેએનએમયુ/ એકેડેમિક/૧૩૮૬/૨૦૨૪

ભક્તકવિ નરસિંહ મહેતા યુનિવર્સિટી,

સરકારી પોલીટેકનિક કેમ્પસ,

ભક્તકવિ નરસિંહ મહેતા યુનિવર્સિટી રોડ,

ખડીયા, જૂનાગઢ-૩૬૨૨૬૩

તા.૧૬/૧૦/૨૦૨૪

પ્રતિ,

- ભક્તકવિ નરસિંહ મહેતા યુનિવર્સિટી સંલગ્ન સાયન્સ વિદ્યાશાખાનાં અભ્યાસક્રમો ચલાવતી તમામ કોલેજોના આચાર્યશ્રીઓ તરફ....

નકલ સાદર રવાના:-

- માન.કુલપતિશ્રી/કુલસચિવશ્રીનાં અંગત સચિવશ્રી.
- પરીક્ષા નિયામકશ્રી, ભક્તકવિ નરસિંહ મહેતા યુનિવર્સિટી, જુનાગઢ

નકલ રવાના જાણ તથા યોગ્ય કાર્યવાહી અર્થે:

- સીસ્ટમ મેનેજરશ્રી, આઈ.ટી.સેલ વિભાગ (વેબસાઈટ ઉપર પ્રસિદ્ધ થવા અર્થે.)



**BHAKTA KAVI NARSINH MEHTA UNIVERSITY
JUNAGADH**



**BOARD OF HOME-SCIENCE STUDIES
FACULTY OF SCIENCE
SYLLABUS FOR
B.Sc. (HOME-SCIENCE) (HONOURS)
PROGRAMME
(SEMESTER- I & II)
EFFECTIVE FROM JUNE, 2023**

BHAKT KAVI NARSINH MEHTA UNIVERSITY – JUNAGADH

**SCHEME FOR CONTACT HOURS AND EXAMINATION SETUP - FOR SEM. 1
EFFECTIVE FROM – JUNE -2023 – STRUCTURE PROGRAMME**

SR NO	LEVEL	COURSE GROUP	COURSE CODE	CREDIT	TEACHING HOURS/WEEK			INTERNAL MARKS	PRACTICAL INTERNAL MARKS	EXTERNAL MARKS	TOTAL MARKS	
					T	P	TOTAL				PASSING	TOTAL
1	U.G.	MAJOR-1	CC-1	3+1= 4	3	2	5	25	25	50	36	100
2	U.G.	MAJOR-2	CC-2	3+1= 4	3	2	5	25	25	50	36	100
3	U.G.	MINOR-1	MC-1	3+1= 4	3	2	5	25	25	50	36	100
4	U.G.	MD-1	MD-1	3+1= 4	3	2	5	25	25	50	36	100
5	U.G.	SEC	SEC-1	2	0	2	4	25	25	-	18	50
6	U.G.	IKS	IKS-1	2	2	0	2	25	25	-	18	50
7	U.G.	AEC-1	AEC-1	2	2	0	2	25	25	-	18	50
				22			28					550

SEM.-1

MAJOR - GENERAL HOME SCIENCE

MAJOR – GENERAL HOME SCIENCE – SEM. – 1						
SEM	COURSE	PAPER NO	SUBJECT	CREDIT	CONTACT HOURS	CODE
1	MAJOR –1	1	COMMUNICATION PROCESS IN DEVELOPMENT	3+1	5	HSGEN1MAJ11
	MAJOR –2	2	INTRODUCTION TO RESOURCE MANAGEMENT	3+1	5	HSGEN1MAJ22
	MINOR	3.1	(FN) INTRODUCTION TO FOOD	3+1	5	HSGEN1MIN31
		3.2	(EDX) INTRODUCTION TO VISUAL AIDS			HSGEN1MIN32
		3.3	(CT) APPAREL DESIGN AND FASHION TECHNOLOGY			HSGEN1MIN33
		3.4	(HM) TRAVEL AND TOURISM			HSGEN1MIN34
		3.5	(CD) CHILD PSYCHOLOGY			HSGEN1MIN35
	MD / ID	4.1	HUMAN PHYSIOLOGY	3+1	5	HSGEN1MDC41
		4.2	LIFE SCIENCE			HSGEN1MDC42
	SEC	5	FASHION STUDIES (ONLY PRACTICAL)	2	4	HSGEN1SEC05
	AEC	6	GUJARATI/HINDI/SANKRIT/ENGLISH	2	2	
	IKS	7	IKS	2	2	
				22	28	

DSC: Discipline Specific Course [**Major (Core), Minor (Elective)**]

MDC: Multi-Disciplinary Course, **IDC:** Inter Disciplinary Course **SEC:** Skill Enhancement Course

HOME SC.	BRANCH	SEM	COURESE	PAPER NO
HS	GEN.	1	MAJ/MIN/MDC/IDC/SEC	1,2,3,4,5

Bhakt Kavi Narsinh Mehta University
Syllabus of Bachelor of Home Science (B.Sc. Home Science) as per NEP
Effective From June – 2023

COURSE LEVEL	UG	CODE	HS GEN1MAJ11
SEMESTER	01		
CORSE TYPE	MAJOR – 1		
COURSE TITLE	COMMUNICATION PROCESS IN DEVELOPMENT.		
COURSE NUMBER / PAPER NO.	01		
CREDIT	4 (3+1)		
TEACHING HOURS	45 (T) +30 (P) = 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL MARKS	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

Objectives:-

To enable students to:

1. Understand the educational Communication process in development work
2. To Gain the Knowledge about Mass communication
3. Develop skills in the use of methods.

Outcome:-

1. Develop skills in communication with the people in the community.
2. The course focuses on the process of communication, especially in development work in rural and urban areas.

UNIT 1.COMMUNICATION CONCEPT AND DEFINITION

- A. Historical background Concept and nature.
- B. Function of communication.
- C. Type of communication. Communication transactions. Formal and informal communication. Verbal and nonverbal communication., Individual and group communication
- D. Scope of communication. - Education. Training and learning industries. Motivation and management. Corporate communication, management organization. Advertising and public relations.

UNIT. 2. UNDERSTANDING HUMAN COMMUNICATION

- Culture and communication. - Sign. Symbols and codes in communication
- Principles of Communication.
- Models of communication.
- Barriers. In communication.

UNIT. 3 COMMUNICATION PROCESS.-

A. Basic Elements of communication.

B. Classification of Communications methods-(according to nature, use, communication based media, and Institutional-no institutional communication method,

C. Selection of audiovisual aids

- Importance of Communication Process

UNIT. 4 MASS COMMUNICATIONS.

A. Meaning, definition and functions

B. Models

C. Mass Communication Media –Press ,Press Registrar Office, Letter Information Office, News Agencies, Press Commission, Press Council, news Paper
(use, advantages, disadvantages)News Stories.

D. Points to be consider for effective communication --- Empathy, - Persuasion - Perception

PRACTICAL:

1. Study about types of Group discussion and write in detail with examples
2. Write and present a report of visual aids which are used in Government Agency/nongovernment/voluntary agencies/organization's development Programs. (Any two programs
3. Prepare a report chart on Nonverbal Communication techniques -Explain signs, symbols and codes use as any nonverbal communication.
4. Show a recorded nonverbal communication event-movie/roleplay/street play /theater program and written evaluation report about it

REFERENCES

1. Enderson (1972): Introduction to communication theories and practices. Cummings publishing house. California
2. Bernice Hurst (1996): The handbook of communication skills, Kogan Page Limited, London.
3. Chandra A. Shah A, Joshi U (1989): Fundamentals of teaching home science. Sterling publishers, New Delhi
4. Ray.G.L.9 (fourth edition 1999): Extension Communication and Management. Naya Prakash,Calcutta,India.
5. Dhamma O.P. and Bhatnagar O.P.1987. Education Communication for Development. Oxford and IBH Publishing Co.Pvt Ltd.,New Delhi
6. ધકાનડી :(1998).વિસ્તરણશિક્ષણનાં મૂળતત્વો.,કનકડીપ્રકાશન.,જામનગર.
7. Dhakan D. (1998): Vistaran Shikshan na Multatvo, Kanak D Prakashan, Jamnagar.
8. રાજપુરાએમ.ગૃહવિજ્ઞાનવિસ્તરણઅનેપ્રત્યાયન (2004).,પ્રવીણપ્રકાશન,રાજકોટ,ભારત.
9. Rajpura M., Gruh VigyanVistaran ane Pratyayan 2004).,Pravin Prakashan, Rajkot,India.

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PAPER STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	Answer the Following Question OR Answer the Following Question	10
Q.4	Answer the Following Question OR Answer the Following Question	10
Q.5	Write Any Two Short Note From Four	10
	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	05
	TOTAL	25

Bhakt Kavi Narsinh Mehta University
Syllabus of Bachelor of Home Science (B.Sc. Home Science) as per NEP
Effective From June – 2023

COURSE LEVEL	UG	CODE	HSGEN1MAJ22
SEMESTER	01		
CORSE TYPE	MAJOR – 2		
COURSE TITLE	INTRODUCTION TO RESOURCE MANAGEMENT		
COURSE NUMBER / PAPER NO.	02		
CREDIT	4 (3+1)		
TEACHING HOURS	45 (T) + 30 (P) = 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

OBJECTIVES

- 1) To know about factors involve in management.
- 2) To create an awareness among the students about management in the family as well.
- 3) To recognize the importance of wise use of resources in order to achieve goals.

THEORY

UNIT 1:- INTRODUCTION TO RESOURCE MANAGEMENT

- Concept, university and scope of management
- Approaches to management
- Motivation Theory

UNIT 2 RESOURCES

- Understanding meaning
- Classification and characteristics of resources
- Factors affecting Utilization of resources.

UNIT 3. AVAILABILITY AND MANAGEMENT OF SPECIFIC RESOURCE BY AN INDIVIDUAL/ FAMILY

- Money
- Time
- Energy

UNIT 4 : FUNCTIONS OF MANAGEMENT: AN OVERVIEW

- Decision Making
- Planning
- Supervising
- Controlling
- Organizing
- Evaluation

PRACTICALS;

- 1) Preparation of time plans for self and family
- 2) Self SWOT Analysis: Who am I?
- 3) Make the best out of waste
- 4) Write your suggestion how to increase your family income

RECOMMENDED READINGS

- 1) Koontz. H. and O Donnel C., 2005. Management — A systems and Contingency analysis of managerial functions. New York: McGraw-Hill Book Company
- 2) Kreitner. 2009, Management Theory and Applications. Cengage Learning: India
- 3) Rao V.S. and Narayana P.S. Principles and practices of Management, 2007, Konark Publishers Pvt. Ltd.

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PAPER STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	Answer the Following Question OR Answer the Following Question	10
Q.4	Answer the Following Question OR Answer the Following Question	10
Q.5	Write Any Two Short Note From Four	10
	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	05
	TOTAL	25

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COURSE LEVEL	UG	CODE	HSGEN1MIN31
SEMESTER	01		
CORSE TYPE	MINOR – 1 (FN)		
COURSE TITLE	INTRODUCTION TO FOODS		
COURSE NUMBER / PAPER NO.	3.1		
CREDIT	4 (3+1)		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

OBJECTIVES

- 1) The course enables the students to understand the functions of food and the role of various nutrients and the effect of deficiency and excess.
- 2) To learn about the composition and nutritional contribution and selection of different food stuff.
- 3) To be familiar with different methods of cooking, their advantages and disadvantages.

UNIT: 1 FUNCTIONS OF FOOD

UNIT: 2 THE BASIC FOOD GROUPS

- Cereals & Millets
- Pulses
- Vegetables
- Fruits
- Milk and milk products
- Oil seed and Dry fruits
- Meat and fish
- Eggs
- Oil and fats

UNIT: - 3 DIFFERENT METHODS OF COOKING

- Boiling -Pressure cooking
- Steaming Micro wave cooking
- Roasting Solar cooking
- Baking -Puffing
- Frying
- Stewing
- Poaching
- Brewing

UNIT: - 4 Nutritional losses in cooking and enhancing nutritional quality

- Germination
- Fermentation

Practicals:-

- 1 use and care of kitchen equipments
- 2 Controlling techniques: weight & measures standard House hold measures for raw Food.
3. Preparation of one dish using different cooking methods

RECOMMENDED READINGS

- Khanna K, Gupta S, Seth R, Mahna R, Rekhi T (2004). *The Art and Science of Cooking: A Practical Manual*, Revised Edition. Elite Publishing House Pvt Ltd.
- Raina U, Kashyap S, Narula V, Thomas S, Suvira, Vir S, Chopra S (2010). *Basic Food Preparation: A Complete Manual*, Fourth Edition. Orient Black Swan Ltd.
- Bamji MS, Krishnaswamy K, Brahman GNV (2009). *Textbook of Human Nutrition*, edition. Oxford and IBH Publishing Co. Pvt. Ltd.
- Srilakshmi (2007). *Food Science*, 4th Edition. New Age International Ltd.
- Wardlaw and Insel MG, Insel PM (2004). *Perspectives in Nutrition*, Sixth Edition. Mosby.
- Chadha R and Mathur P (eds). *Nutrition: A Lifecycle Approach*. Orient Blackswan, Delhi 2015.
- Mudambi S (1981). *Fundamentals of Foods and Nutrition*. Wiley Eastern Ltd.
- Neelam Buddhdev, Bhavana Vaid (2004). *Fundamentals of Foods and Nutrition*. Pravin Prakashan.
- Human Nutrition - R. Rajlaxmi (1981). *Applied Nutrition*. Oxford and IBH Publishing Co.
- Thangam E. Philip *Modern Cookery – Vol. I and II*. Orient Longman Publication.
- M. Swaminathan (1979) *Food Science, Chemistry and Experimental Foods*. Ganesh and Co.

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

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COURSE LEVEL	UG	CODE	HSGEN1MIN32
SEMESTER	01		
CORSE TYPE	MINOR – 1 (EDX)		
COURSE TITLE	INTRODUCTION TO VISUAL AIDS		
COURSE NUMBER / PAPER NO.	3.2		
CREDIT	4 (3+1)		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

AIMS OF THE COURSE:

1. To develop awareness of the value of teaching aids in the teaching learning process of home science.
2. To develop understanding of the general principles in selecting using and preparing teaching teaching home science.
3. To develop ability in selecting, using, and preparing selected aids in teaching home science

THEORY

Unit:1 Role, Use and Selection of Teaching Aids

1. How do we learn -Brief discussion of learning situation with reference to the course of experience.-
 1. Direct and 2.indirect purposeful experience ,3.Dramatized experience 4.Demonstration. 5. Field trip 6. Exhibits. 7.Television and film.8. still pictures, radio recordings.9. Visual symbol 10. Verbal symbols.
2. The role of teaching aids in learning teaching process.
3. Use fullness of teaching aids
- 4.Importance of teaching aids in home science.
- 5.Selection of teaching aids

Unit:2 Teaching Boards- meaning, use and preparation

- 1.Blackboard-advantages, effectiveness, use, space
- 2.Felt board. - preparation, and use
- 3.Buletin Board

4. Magnetic Board
5. electronic marker board /white board
6. Showcase display

Unit:3 Graphic Aids

- 1.Chart- tree chart, organizational chart,picture chart,flip chart,
- 2.Diagram ,area diagram,cross secssional diagram ,machine diagram ,scientific diagram
- 3.Map
4. Flash cards-preparation, presentation
- 5.Models
- 6.Specimen

Unit: 4 Evaluation in Home science

1. What is Evaluation?
2. Values of Evaluation?
3. Steps in evaluation process
4. Classification of evaluative techniques.
5. Importance of Evaluation in Home science

PRACTICALS:

PREPARE : Map, specimen, graph, flannel board ,flash cards,

Reference

1. ડૉ કલ્પના પરલીકર.,(ગૃહવિજ્ઞાનમા પ્રચલિત શૈક્ષણિક સાધનો:(1989-90).બિહાઇઇન્ડ ડાઇમંડ પ્રિન્ટિંગ પ્રેસ,શિયા બાગ,વડોદરા.
2. દિપ્તી દેસાઇ.,ગૃહ વિજ્ઞાન શિક્ષણ, (1992-93),મયુર પ્રકાશન, અમદાવાદ.
3. ધીરજ ધકાન, વિસ્તરણ શિક્ષણના મૂળ તત્વો(1998),કનક ડી ધકાન, પંકજ સોસાયટી.જામનગર.

INTERNAL MARKS BIFURCATION		
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1	COMPONENT	
	TOTAL	25

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Effective From June – 2023

COURSE LEVEL	UG	CODE	HSGEN1MIN33
SEMESTER	01		
CORSE TYPE	MINOR – 1 (CT)		
COURSE TITLE	APPAREL DESIGN AND FASHION TECHNOLOGY		
COURSE NUMBER / PAPER NO.	3.3		
CREDIT	4 (3+1)		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

OBJECTIVES

To develop, aware and create interest

To Orient Students to the basic principles

1 Surface design in apparel

- Accessories
- Embroidery
- Ruffles
- Braiding
- Laces

2 Decorative designs in apparel

- Collar
- Pockets
- Sleeves
- Pleats
- Tucks
- Neckline

3 Fashion

- Fashion terminology
- Intangibles of fashion
- fashion adaptations theory: trickle up, trickle-down, trickle - across
- Fashion Movement and development

4 Business of Fashion

- Meaning and Scope of fashion
- Channels of distribution

Practical

1 Make a sample of Surface decorative design.

- Make Sketches with rendering. effect in differ Postures. (Front, Back side view)

2 Make's portfolio: sketching style for different age group. (Designing using Corel Draw | Photoshop)

3 Decorative design in apparel with sketch

4 Make a Surface design in apparel

- Accessories
- Embroidery
- Ruffles
- Braiding
- Laces

INTERNAL MARKS BIFURCATION

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	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM

Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	05
	TOTAL	25

Bhakt Kavi Narsinh Mehta University
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Effective From June – 2023

COURSE LEVEL	UG	CODE	HSGEN1MIN34
SEMESTER	01		
CORSE TYPE	MINOR – 1 (HM)		
COURSE TITLE	TRAVEL AND TOURISM		
COURSE NUMBER / PAPER NO.	3.4		
CREDIT	4 (3+1)		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

OBJECTIVES

1. To develop, aware and create interest in tourism and its scope in Gujarat
2. To study rich history and heritage of Gujarat
3. To know the career aspects in travelling agencies.

COURSE CONTENT

THEORY

UNIT - I Travel and Tourism

- Meaning and Definition
- History of Travel
- Purpose of Travel
- Scope of Tourism and Opportunities for Women
- Importance of Travelling
- Tourism Infrastructure

UNIT - II Gujarat as a Tourist Place

- History of Gujarat
- Importance of Gujarat as tourist place: heritage, culture, language,
- literature and folk
- Facilities given by Gujarat Tourism Department
- Fairs of Gujarat (Minimum three fairs)
- Festivals of Gujarat (Minimum three festivals)
- Handicraft of Gujarat (Minimum three handicraft)
- Heritage places of Gujarat (Minimum three places)
- Religious places of Gujarat (Minimum three places)
- Places for Sightseeing of Gujarat (Minimum three places)
- Wildlife in Gujarat (Minimum three places)

UNIT - III Travel Agency

- Introduction
- Types of travel agencies
- How to start a travelling agency
- Function of travel agencies

UNIT - IV Planning of Travelling (National and International)

- Planning for Travelling
- Preferable time for travelling
- Things to carry during travelling
- Mode of transportation: Rail, Road, Air, Water
- Passport
- Visa
- Travel related products

PRACTICALS

1. Collect information regarding types of accommodation
2. Collect information regarding your city: History, how to reach your city, historical importance of your city, popular places, popular food and other items, market, etc.
3. Collect detailed information regarding Gujarat Tourism (If possible do visit or arrange a lecture)

REFERENCES

1. Sudhir Andrews Front office management & operations, Tata McGraw- Hill Publishing company Limited, New Delhi (2008)
2. 'Ek Bharat Shreshth Bharat, India: Unity in Diversity', Department of tourism, Government of Gujarat (2018)
3. 'Gujarat Tourism: Through the Lens of Arts and crafts, Department of tourism, Government of Gujarat (2016)
4. Yogendra P. Chhaya 'Fairs of Gujarat' Commissionerate of Information, Government of Gujarat
5. 'Folk-Art and culture of Gujarat', Joravarsinh Jadav, Commissionerate of Information, Government of Gujarat (1999)
6. 'ટ્રાવેલ - ટૂરિઝમ એન્ડ કોમ્પ્યુટર અવેરનેસ' મનિશા ખંનુર અને ભાવના રાંચ - પ્રવીણ પ્રકાશન- રાજકોટ
7. 'ગુજરાત- તમારા રાજ્યને જાણો' -Department of Tourism, Government of Gujarat (૨૦૧૫)
8. 'પ્રવાસ ભારતી' - શૈલેન્દ્ર ઠાકુર - પ્રવીણ પ્રકાશન-રાજકોટ (૧૯૯૮)
9. 'તીર્થ ભૂમિ ગુજરાત' - ડૉ. મીનાક્ષી ઠાકર - નવ ભારત સાહિત્ય મંદિર અમદાવાદ
10. All books published by Department of Tourism, Government of Gujarat
11. www.gujarattourism.com

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PAPER STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	Answer the Following Question OR Answer the Following Question	10
Q.4	Answer the Following Question OR Answer the Following Question	10
Q.5	Write Any Two Short Note From Four	10
	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	05
	TOTAL	25

Bhakt Kavi Narsinh Mehta University
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COURSE LEVEL	UG	CODE	HSGEN1MIN35
SEMESTER	01		
CORSE TYPE	MINOR – 1 (CD)		
COURSE TITLE	CHILD PSYCHOLOGY		
COURSE NUMBER / PAPER NO.	3.5		
CREDIT	4 (3+1)		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

Focus

This course provides a board and contemporary understanding of the processes and changes in human

behaviour is on the concepts and development. It emphasizes the life span and cultural context perspectives

in development. An attempt is made to integrate theoretical, research and practical orientations.

Objectives

1. To develop an understanding of the major concepts and process of human behaviour and development.
2. To develop an understanding of the major theoretical and research contribution in the study of human development.
3. To develop sensitivity to the socio-cultural of human behaviour and development.

Theory

Unit: 1 Study of child psychology

- 1.1 Introduction
- 1.2 Meaning of child psychology
- 1.3 History of child psychology
- 1.4 Methods of study of child psychology

Unit 2 Child guidance

2.1 Introduction

2.2 Importance of child guidance

2.3 Types of child guidance

2.4 Method of child guidance

2.5 Process of child guidance / Role of family and school of child guidance

Unit: 3 Parent and child relationship

3.1 Introduction

3.2 Different stage vice of Parent and child relationship

3.3 Effective factors are Parent and child relationship

3.4 Issue of satisfaction relation of Parent and child

Unit :4 Child and discipline

4.1 Introduction

4.2 Meaning of discipline

4.3 Types of discipline

4.4 Nature of discipline

4.5 Effective factors of discipline

4.6 The behaviour problems of children and its remedies

Practical

Practical :1 Information of different method of child study

Practical :2 Information of role of family school in child guidance

Practical :3 Study of parent and child relationship

Practical :4 Study of child behaviour's and behaviour's problem

Reference

1- Child Psychology & Child Guidance - Dr. S.V. Kale

2- Child Rearing and Psycho-Social Development- Motilal Lidh

3- Fundamentals of Child Development and Child care - Poonam Sharma and Lata Gairola

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PAPER STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	Answer the Following Question OR Answer the Following Question	10
Q.4	Answer the Following Question OR Answer the Following Question	10
Q.5	Write Any Two Short Note From Four	10
	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	05
	TOTAL	25

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COURSE LEVEL	UG	CODE	HSGEN1MDC41
SEMESTER	01		
CORSE TYPE	MD / ID		
COURSE TITLE	HUMAN PHYSIOLOGY		
COURSE NUMBER / PAPER NO.	4.1		
CREDIT	4 (3+1)		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

Objectives:

This course will enable the students to:

- Understand the cell and its structure
- Understand the anatomy of human body
- Understand general structure and functions of various systems in human body

THEORY

Unit 1:- Introduction to human body

1.1 Formation of human body

1.2 Cell: types of cells, difference between animal and plant cells, structure and Functions of various cellular organelles

Unit 2:- Tissue

Structure and functions of various tissues

- Epithelial tissue
- Connective tissue
- Muscular tissue
- Nervous tissue

Unit 3:- Structure and functions of various systems

3.1 Digestive system

- Overview of gastro intestinal tract
- Structural and functions of various organs of digestive system

- Accessory digestive glands and their functions: salivary glands, liver and pancreas

- Digestion and absorption of food

3.2 Respiratory system

- Structure and functions of respiratory system
- Mechanism of respiration

3.3 Circulatory system

- Composition and functions of blood (in short)
- Structure and functions of heart
- Blood vessels: Artery and Veins
- Physiology of circulation: Systemic and Pulmonary circulation

3.4 Excretory system

- Structure and functions of urinary system
- Urine formation

3.5 Reproductive system

- Female reproductive system
- Menstruation, puberty and menopause

Unit 4: Endocrine system

Hormones and functions of

- Pituitary gland
- Thyroid gland
- Parathyroid gland
- Adrenal gland
- Pancreas
- Testis and Ovaries

PRACTICALS

1. OBSERVATION OF ONION CELLS UNDER MICROSCOPE
2. DEMONSTRATION AND PREPARATION OF STAINED FRESH BLOOD SMEAR
3. IDENTIFICATION OF BLOOD GROUPS
4. IDENTIFICATION OF DIFFERENT ORGANS AND ITS FUNCTIONS:
 - Digestive system
 - Respiratory system
 - Urinary system
 - Reproductive system
 - Heart

REFERENCES:-

1. Physiology and anatomy By Evelyn pearce
2. Textbook of Medical Physiology By Guyton.A. C
3. Essential of Medical Physiology By
Mahapatra A. B. S
4. Manav sharir Rachna Aei kriya vigyan (Gujarati) By S. N. Parikh
5. જીવ વિજ્ઞાન (Biological science) By ડૉ એમ.સી.ભવસાર, સંધ્યા પરીખ

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PAPER STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	Answer the Following Question OR Answer the Following Question	10
Q.4	Answer the Following Question OR Answer the Following Question	10
Q.5	Write Any Two Short Note From Four	10
	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	05
	TOTAL	25

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COURSE LEVEL	UG	CODE	HS GEN1MDC42
SEMESTER	01		
CORSE TYPE	MDC / IDC		
COURSE TITLE	LIFE SCIENCE		
COURSE NUMBER / PAPER NO.	4.2		
CREDIT	4 (3+1)		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

OBJECTIVES:-

Introduction Of Plant Seeds And Vegetables

Classification Of Animals

SECTION A-BOTANY

UNIT – 1

INTRODUCTION TO PLANT KINGDOM

Classification of Plant Kingdom

- Angiospermic plants (Flower with details of its parts)
- Formation of fruit, seed and embryo
- Structure of monocot and dicot seed and seed germination

UNIT – 2

PROPAGATION OF PLANTS - SEED AND VEGETATIVE

- Seed Propagation
- Cuttings-stem leaf and root
- Layering
- Grafting

SECTION B-ZOOLOGY

Unit - 3

Classification of animal kingdom

- Chordates up to 5 major classes, characteristics with examples
- Non chordates up to phyla, characteristics with examples
- Cell theory, electron microscopic structure and function of a cell

UNIT - 4

- Parasites and human diseases
- Plasmodium, Giardia, Entamoeba, Taenia, Ascaris etc
- Economics importance and control of common household pests
- Insects as a resource

RECOMMENDED READINGS:

1. Chadha K.L. 2012. Handbook of Horticulture. ICAR Publication.
2. Gopalaswami Anger K.S. 1991, Complete gardening in India, Messers Nagaraj And Co. Madras
3. Hartman H.T and Kester D 1986.: Plant Propagation, Principles and Practices Prentice Hall of India Pvt. Ltd. New Delhi.
4. Raven P. and Johnson G. 2010. Biology. McGraw Hill Science.
5. Soni N.K. and Soni V. 2010. Fundamentals of Botany. Tata McGraw Hill Education
6. Jordan and Verma, 1998, Invertebrate Zoology, S. Chand and Co. Ltd
7. Kotpal, 2000, Modern Textbook of Zoology, Restage Publications
8. Winchester, A.M. 1967, Genetics, Oxford and IBH Publishing Company
9. Vij and Gupta (2011) Applied Zoology Phoenix Publishing House

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PAPER STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	Answer the Following Question OR Answer the Following Question	10
Q.4	Answer the Following Question OR Answer the Following Question	10
Q.5	Write Any Two Short Note From Four	10
	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	05
	TOTAL	25

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COURSE LEVEL	UG	CODE	HSGEN1SEC05
SEMESTER	01		
CORSE TYPE	SEC		
COURSE TITLE	FASHION STUDIES		
COURSE NUMBER / PAPER NO.	5		
CREDIT	2 (ONLY PRACTICALS)		
TEACHING HOURS	60		
INTERNAL MARKS	25		
EXTERNAL PRACTICAL MARKS	25		
TOTAL	50		
EXAM DURATION	4 hrs (P)		

OBJECTIVE

1. This course helps in understanding concept of fashion and the factors that affect fashion.
2. Its enables the students to familiarize with fashion terminology.
3. Understanding of the fashion trends is must for garment designers to make their designs acceptable in Market.
4. Thus this is a very important course for students.

PRACTICAL

1. To collections of famous designers photographs Garment from internet which is related to the field.
2. To make Fashion Accessories — (Any Two)
 - a. Jewellery
 - b. Hand Bag
 - c. Purses
 - d. Broach
 - e. Belt
3. Sketching of elements design
4. Sketching of Principles design
5. Project work — Fashion Accessories / Fashion Style / Fashion Collection

RECOMMENDED READINGS

1. Fashion Design Essentials: 100 Principles of Fashion Design - Rockport I Jay Calderin
2. The culture of Fashion - Christopher Breward
3. Fashion and Modernity O Christopher Breward
4. Fashion logy: An Introduction to Fashion Studies - Yuniya Kawamura
5. Fashion and Its Social Agendas: Class, Gender, and Identity in Clothing – DianaCrane
6. Fashion Cultures: Theories, Explorations and Analysis - Stella Bruzzi
7. Ready to Wear Apparel Analysis. Prentice Hall, Brown, Patty, Rice J., 1998.
8. Individuality in Clothing & Personal, Marshall S G, Jackson H O, Stanley MS, Kefge M &Specht T, 2009.
9. Appearance, 6th Edition, Pearson Education, USA.
10. The Complete Book of Fashion Design, Harper and Row Publications, Tate S.L., Edwards M.S., 1982, New York
11. Dr.veena s. samani(2012) :apparel making part- I Saurashtra university — Rajkot

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	05
	TOTAL	25

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COURSE LEVEL	UG
SEMESTER	01
CORSE TYPE	AEC
COURSE TITLE	GUJARATI/HINDI/ENGLISH/SANSKRUT
COURSE NUMBER / PAPER NO.	06
CREDIT	2
TEACHING HOURS	30
INTERNAL MARKS	25
PRACTICAL MARKS	00
EXTERNAL MARKS	25
TOTAL	50
EXAM DURATION	2 hrs + 0 hrs (T+P)

Bhakt Kavi Narsinh Mehta University
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COURSE LEVEL	UG
SEMESTER	01
CORSE TYPE	VAC
COURSE TITLE	IKS / VAC
COURSE NUMBER / PAPER NO.	07
CREDIT	2
TEACHING HOURS	30
INTERNAL MARKS	25
PRACTICAL MARKS	00
EXTERNAL MARKS	25
TOTAL	50
EXAM DURATION	2 hrs + 0 hrs (T+P)

SEM. -2

MAJOR - GENERAL HOME SCIENCE

SEM	COURSE	PAPER NO	SUBJECT	CREDIT	CONTACT HOURS	COD
2	MAJOR -1	1	INTRODUCTION TO HUMAN DEVELOPMENT	3+1	5	HSGEN2MAJ11
2	MAJOR -2	2	INTRODUCTION TO CLOTHING AND TEXTILE	3+1	5	HSGEN2MAJ22
2	MINOR	3.1	(FN) FOOD PRESERVATION	3+1	5	HSGEN2MIN31
		3.2	(EDX) INTRODUCTION TO PRINT MEDIA			HSGEN2MIN32
		3.3	(CT) SOCIOLOGICAL AND PSYCHOLOGICAL ASPECT OF CLOTHING			HSGEN2MIN33
		3.4	(HM) HOUSE HOLD EQUIPMENTS			HSGEN2MIN34
		3.5	(CD) FAMILY DYNAMICS			HSGEN2MIN35
2	MD / ID	4.1	HOSPITALTY MANAGEMENT	3+1	5	HSGEN2MDC41
		4.2	EVENT MANAGEMENT			HSGEN2MDC42
2	SEC	5	BASICS OF COMPUTER APPLICATION (ONLY PRACTICAL)	2	4	HSGEN2SEC05
2	AEC	6	GUJARATI/HINDI/SANKRIT/ENGLISH	2	2	
2	IKS	7	IKS	2	2	
				22	28	

DSC: Discipline Specific Course [**Major (Core), Minor (Elective)**]

MDC: Multi-Disciplinary Course, **IDC:** Inter Disciplinary Course **SEC:** Skill Enhancement Course

HOME SC.	BRANCH	SEM	COURSE	PAPER NO
HS	GEN.	1	MAJ/MIN/MDC/IDC/SEC	1,2,3,4,5

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COURSE LEVEL	UG	CODE	HSGEN2MAJ11
SEMESTER	02		
CORSE TYPE	MAJOR-1		
COURSE TITLE	INTRODUCTION TO HUMAN DEVELOPMENT		
COURSE NUMBER / PAPER NO.	01		
CREDIT	4 = 3+1		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

OBJECTIVES

- 1) To become acquainted with development stages from birth to old age.
- 2) To develop awareness of importance aspects of development during the whole life span.
- 3) To understand the issues faced and adjustment required at each stage across the life span.

THEORY:

Unit- 1: UNDERSTANDING HUMAN DEVELOPMENT

- 1.1 Concept of Human Development
- 1.2 Human Development : Multipurpose Science
- 1.3 Contexts, stages and domains of Development (Different stage on life span)

Unit - 2 Growths and Development

- 2.1 Growth : Meaning and form of growth
- 2.2 Development : Meaning and form of Development
- 2.3 Differences of Growth and Development
- 2.4 Principles of Growth and Development: norms and milestones
- 2.5 Changes Resulting from Growth and development
- 2.6 Affecting Factors of Growth and Development

Unit - 3: Major Components of Human Development

- 3.1 Heredity and Environment
- Heredity : Concept, Process and Importance

- Environment : Concept, Types and Importance
- Comparative Importance of Heredity and Environment

3.2 Learning and Maturity

- Learning : Meaning, Theory, methods and Affecting Factors
- Maturity : Meaning and Effective Matters
- Interaction and Differences of Learning and Maturity

Unit- 4 : Individual Differences

4.1 Meaning of Individual Differences

4.2 Nature of Individual Differences

4.3 Causes/Factor of Individual Differences

4.4 Area of Individual Differences

PRACTICAL

- 1- To get Information about the child's development by studying him/her individual
- 2- Use of Sources to understand for Child Development Information
- 3- Prepare the album or the game in different development activity for Infant stage
- 4- Getting Information about Individual Differences Based on the surveys

RECOMMENDED READINGS

- 1-Kumar R. (1988). Child Development in India. Ashish Publishing House-New Delhi
- 2- Panda K.C. (1990) Elements of Child Development. Kalyani Publication-New Delhi
- 3- Godhasara K.N. (2016) Child Development An Overview. Cyber Tech Publication-New Delhi
- 4- Shukla K.C. & Chand Tara (2009) Commonwealth Publishers-New Delhi
- 5- ડો.રાજેન્દ્ર શર્મા (૧૯૯૮)વિકાસ મનોવિજ્ઞાન. રાજ પબ્લિશિંગ હાઉસ –જયપુર (હિન્દી)
- 6- ડો. બુંદા સિંહ (૨૦૦૨)માતૃકલા એવં શિશુ કલ્યાણ શ્યામ પ્રકાશન –જયપુર (હિન્દી)
- 7-હરલોક એ.બી.(૧૯૭૪) વિકાસલક્ષી મનોવિજ્ઞાન-I. યુનીવર્સીટી ગ્રંથ નિર્માણ બોર્ડ- ગુજરાત રાજ્ય
- 8- હરલોક એ.બી.(૧૯૭૫) વિકાસલક્ષી મનોવિજ્ઞાન-II. યુનીવર્સીટી ગ્રંથ નિર્માણ બોર્ડ- ગુજરાત રાજ્ય

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PAPER STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	Answer the Following Question OR Answer the Following Question	10
Q.4	Answer the Following Question OR Answer the Following Question	10
Q.5	Write Any Two Short Note From Four	10
	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	05
	TOTAL	25

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COURSE LEVEL	UG	CODE	HSGEN2MAJ22
SEMESTER	02		
CORSE TYPE	MAJOR-2		
COURSE TITLE	INTRODUCTION TO CLOTHING AND TEXTILE		
COURSE NUMBER / PAPER NO.	01		
CREDIT	4 = 3+1		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

OBJECTIVES

1. This course will provide sound foundation for garment manufacturing techniques.
2. To develop skills in students related to body measurements using appropriate tools, Sewing by non-automatic machine.
3. Application of appropriate constructional stitches, and preparation of fabric for clothing construction.
4. To acquire the knowledge of different kinds of nature & manmade fibers, Yarns & Fabric construction
5. To develop the basic knowledge of Weaving, Knitting

Course Units

Ch 1 sewing machine

- History of sewing machine
- Parts and Functions of sewing machine
- Problems and Remedy of sewing machine
- Care of sewing machine

Ch 2 sewing Tools (with figure)

- Measuring Tools
- Marking Tools
- Cutting Tools
- Sewing Tools
- Finishing Tools

Ch 3 Basic Stitches and Seams

- Basic Hand Stitches
- Basic machine Stitches
- Types of Seams

Ch 4 introduction and terminology of textile

- Introduction
- Classification of Fibre
- Properties(Primary and Secondary)
- Terminology

Ch 5 manufacturing process, properties and testing of main fibre

- Cotton
- Silk
- wool
- nylon

Ch 6 Yarn and Fabric construction

- Types of yarn
 - simple yarn
 - complex yarn
 - texture yarn
- Fabric Construction
- Types of waves

Practical

1. Demonstration of sewing Machine
2. Basic Hand Stitches (Any Stitches: Five)
3. Types of weaving with drawing and making
4. Testing of Fibre.
 - Microscope test
 - Visualizes test
 - Chemical test
 - Burning test
5. Drafting and Stitches: Any one
 - Pillow Cover
 - Apron

RECOMMENDED READINGS –

1. Macall_s sewing in colour, Hamlyn
2. Singer sewing Book, Gladys Cunningham, Golden Pr
3. Complete guide to sewing, Reader digest
4. Clothing construction, Evelyn A.Mansfield, Houghton Mifflin 1953
5. The technology of clothing manufacture, Harold Carr and Barbara Latham John Wiley Wiley& sons. 1994
6. The Art of Sewing, Thomas (annajacob), UBS Publication distributor Ltd.
7. Isabel Sutherland Ed. Home dress making Pan Craft Book
8. Textiles- Fiber to Fabric (6 thEdition), Corbman, P.B., (1985) Gregg
9. Division/ Mc. Graw Hill Book Co., US.
10. Essentials of Textiles (6th Edition), Joseph, M.L., (1988) Holt, Rinehart and
11. Winston Inc., Florida.PH10. Textbook of Fabric Science: Fundamentals to
12. Finishing, Sekhri S., (2013) PHI Learning, Delhi.
13. Understanding Textiles, Tortora, G. Phyllis, McMillan Co. USA.

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PAPER STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	Answer the Following Question OR Answer the Following Question	10
Q.4	Answer the Following Question OR Answer the Following Question	10
Q.5	Write Any Two Short Note From Four	10
	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	05
	TOTAL	25

Bhakt Kavi Narsinh Mehta University
Syllabus of Bachelor of Home Science (B.Sc. Home Science) as per NEP
Effective From June – 2023

COURSE LEVEL	UG	CODE	HSGEN2MIN31
SEMESTER	02		
CORSE TYPE	MINOR – 3.1 (FN)		
COURSE TITLE	FOOD PRESERVATION		
COURSE NUMBER / PAPER NO.	3		
CREDIT	4 = 3+1		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

Objectives:-

The course will enable students:

To gain knowledge regarding principles of food preservation.

To prepare students for home scale production of preservative products such as jam, jelly, tomato ketchup, etc.

To teach students different methods of food preservation.

To appraise students of the latest development in food preservation.

THEORY:

UNIT-1: INTRODUCTION OF FOOD PRESERVATION

Importance of Food Preservation

Principle of Food Preservation

UNIT-2: METHODS OF FOOD PRESERVATION

2.1 Bacteriostatic Methods: Dehydration, Fermentation, Freezing or Low Temperature Salt, Sugar,

oil, Vinegar, Chemicals, etc.

2.2 Bactericidal Methods: Use of higher temperature, Pasteurization, Canning, Boiling, Irradiation.

UNIT-3: FOOD SPOILAGE Food fit for consumption

Deterioration of food quality Nonperishable, Semi perishable and Perishable foods. Causes of food spoilage

UNIT-4: PRESERVATION OF FOOD PRODUCTS, PREPARATION AND PRINCIPLES OF FOOD

PRESERVATION

- Fruit juice and Squashes
- Jam, Jelly and Marmalade.
- Tomato Products (Chutney and ketchup)

4.1 PICKLES

PRACTICALS:

Preparation of the following food products in laboratory.

Syrup and Squash

- Jam
- Jelly
- Marmalade

Pickles

Chutney

Tomato ketchup • Freezing

Drying of vegetables and fruits

RECOMMENDED READINGS

- G. Subbalakshmi - Shobha A. Udipi, Food Processing and Preservation, New Age International Publisher.
- Girdharilal, G. S. Siddappa, G.L.Tandon, Preservation of Fruits and Vegetables.
- M. Swami Nathan, Food Science, Chemistry and Experimental Foods,

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PAPER STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
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Q.3	Answer the Following Question OR Answer the Following Question	10
Q.4	Answer the Following Question OR Answer the Following Question	10
Q.5	Write Any Two Short Note From Four	10
	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	05
	TOTAL	25

Bhakt Kavi Narsinh Mehta University
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COURSE LEVEL	UG	CODE	HSGEN2MIN32
SEMESTER	02		
CORSE TYPE	MINOR – 3.2 (EDX)		
COURSE TITLE	INTRODUCTION TO PRINT MEDIA		
COURSE NUMBER / PAPER NO.	3		
CREDIT	4 = 3+1		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

Aims

This module aims to enable the student to:

- Differentiate between different forms of print media and genre types.
- Attain a familiarity with the variety of print media job descriptions and responsibilities.
- Produce a variety of article types and be confident users of the written word.

Learning Outcomes

On successful completion of this module, the student should be able to:

- Demonstrate their own intellectual abilities to analyse the print media through group and discussion work.
- Competently identify, analyse and replicate the linguistic features of an article and critically evaluate current print media practices.
- Display with confidence the basic skills to write and subedit a variety of articles which comply with space and time restrictions, as well as to find images for news and feature articles.
- Demonstrate specialised knowledge of case studies and understand the editorial processes involved in producing print media. Indicative Module Content
- Magazines, Newspapers and the Editorial Office:

Unit 1 News: definitions, elements and concepts -Sources of news; news gathering techniques

- -Press briefing
- -Types of interview, purpose, technique -Handouts, news release, press note etc.
- -Press conference, meet the press programmes Media criticism and reviews
- Feature writing, columns, news writing and analysis
- Editorial writing, types of editorials Creative Writing-Essays, short stories, middles
- Obituraries
- International affairs

Unit 2 News writing styles, types of news

- -Soft news, hard news
- -Investigative, interpretative and indepth reporting
- -Headline, technique, style, purposes, kinds of headlines -Dummy page
- -makeup, layout

Unit 3 Photo editing

- -Intros; their importance, functions and types, lead, body, paragraphing
- -Special sections, supplements
- -Scoops and exclusives -Specialized reporting

Unit 4 science, sports, economic, development

- Editing; meaning, purpose, importance & symbols Layout, graphics, page make up for newspapers & magazines
- Reporting weather, city life, speech, accident, court, elections, riot, war, conflict, tensions,

Practical

- 1) Collection and analysis of different types of News report and articles
- 2) Drafting a editorial writing report any one current issue
- 3) Review on any one Textbook or references book
- 4) Review on any one magazine or paper article

Books Recommended:

1. Reporting, B.N.Ahuja, 1990, Surjeet Publications, New Delhi.
2. Basic Journalism, Parthasarthy, 1997, Macmillan India Pvt. Ltd., New Delhi.
3. News Reporting & Editing, K.M.Srivastava, 1987, Sterling Pub. House, New Delh.
4. The Complete Reporter by Jullian Harris and others Macmillan Publishing Co., New York.
5. The Professional Journalist by John Hobenberg Oxford IEH Publishing Company, New Delhi
6. Good News Bad News by Tharyan 7. Issues in Mass Communication by J. S. Yadava and Pardeep Mathur
8. News Writing by Haugh George A. 9. The Journalism Handbook by M.V. Kamath
10. Handbook of Journalism by Aggarwal Vir Bala, Gupta V.S.

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PAPER STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	Answer the Following Question OR Answer the Following Question	10
Q.4	Answer the Following Question OR Answer the Following Question	10
Q.5	Write Any Two Short Note From Four	10
	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	05
	TOTAL	25

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COURSE LEVEL	UG	CODE	HSGEN2MIN33
SEMESTER	02		
CORSE TYPE	MINOR – 3.3 (CT)		
COURSE TITLE	SOCIOLOGICAL AND PSYCHOLOGICAL ASPECTS OF CLOTHING		
COURSE NUMBER / PAPER NO.	3		
CREDIT	4 = 3+1		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

Objective :

To understand the sociological aspects of clothing

To understand the psychological aspects of clothing

Course Units :

1. The psychological effect of clothes

A. Over the person

B. Over the children.

C. Over the adolescent.

2. Culture and Fashion

- Fashion changes as culture changes
- Fashion cycle
- Clothing – attitudes and values

3. A Behavior of clothes and man

A. Clothing and self expression

B. Personal interest in Clothes.

C. Clothing, its importance and manners

4. A person's attitude towards Clothes

- Culture
- Group as well as individual values
- Changing values.

Practical

(1) Documentary (any one topic)

(2) Power point presentation (any one topic)

- Clothing and self evaluation Clothing and self enhancement
- Clothing and attitude and values.
- Impression formation, Conformity and individuality
- Clothing and physical self.

RECOMMENDED READINGS

- 1) Macall_s sewing in colour, Hamlyn
- 2) Singer sewing Book, Gladys Cunningham, Golden Pr
- 3) Complete guide to sewing, Reader digest
- 4) Clothing construction, Evelyn A.Mansfield, Houghton mifflin 1953
- 5) The technology of clothing manufacture, Harold Carr and Barbara Latham
John Wiley Wiley& sons. 1994
- 6) The Art of Sewing, Thomas (annajacob), UBS Publication distributor Ltd.
- 7) Isabel Sutherland Ed. Home dress making Pan Craft Book
- 8) Textiles- Fiber to Fabric (6 thEdition), Corbman, P.B., (1985) Gregg
Division/ Mc. Graw Hill Book Co., US.

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PAPER STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
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Q.3	Answer the Following Question OR Answer the Following Question	10
Q.4	Answer the Following Question OR Answer the Following Question	10
Q.5	Write Any Two Short Note From Four	10
	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	05
	TOTAL	25

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COURSE LEVEL	UG	CODE	HSGEN2MIN34
SEMESTER	02		
CORSE TYPE	MINOR – 3.4 (HM)		
COURSE TITLE	HOUSE HOLD EQUIPMENTS		
COURSE NUMBER / PAPER NO.	3		
CREDIT	4 = 3+1		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

OBJECTIVES

To enable students to:

1. Understand principles under lying the operation, use, care and storage of household.
2. Be aware of new brands in equipments in the market.
3. Analyze various equipments with respect to design, cost and maintenance.
4. To evaluate available information about electrical appliances.

COURSE CONTENT

THEORY

UNIT - I INTRODUCTION

- Definition of home appliances.
- Importance of appliances in daily life.
- Responsibilities of sellers and producers in relation to consumers.

UNIT - II STUDY OF ELECRIC EQUIPMENTS WITH REFERENCE TO:

- Principles
- Structure
- Use ,care, safety of
- OTG
- Microwave Oven
- Food processor
- Vacuum cleaner
- Washing machine

- Dish washer
- Electric chimney
- R.O. Water purifier

UNIT - III STUDY OF NON-ELECTRIC EQUIPMENTS WITH REFERENCE TO:

- Principles
- Structure
- Use ,care, safety of
- Cooker
- Solar cooker
- Vegetable chopper
- Nonstick cook wares
- Cleaning mop

UNIT - IV ELECTRICAL APPLIANCES

- Finishes in appliances
- Selection of appliances
- Care of appliances
- Standard for electrical equipments

PRACTICALS

1. Market survey on appliances like a vacuum cleaner, Microwave Oven, Dish washer, Electric Chimney, R. O. Water purifier with regards to companies, size, functions, cost, label.
2. Use, cleaning and care of - Washing machine, Solar Cooker, OTG, Food Processor.
3. Study of household wiring and fuse
4. Electrical equipments and their location like:
 - OTG
 - Microwave oven
 - Food Processor
 - Electric chimney
 - vacuum Cleaner
 - Washing machine
 - Dish washer
 - R. O. Purifier

REFERENCES

1. 'Household physics' by Madalyn Avery, Saurashtra University, Rajkot
2. 'Household Equipments' by Louse Jemson Peet, Marry Pickett, Maidred & Arnold, 6th editions
3. 'Equipment in the Home', Harper and Row Publishers
4. 'Safety in Household Electrical Appliances' CERC Ahmedabad

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PAPER STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
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Q.3	Answer the Following Question OR Answer the Following Question	10
Q.4	Answer the Following Question OR Answer the Following Question	10
Q.5	Write Any Two Short Note From Four	10
	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	05
	TOTAL	25

Bhakt Kavi Narsinh Mehta University
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COURSE LEVEL	UG	CODE	HSGEN2MIN35
SEMESTER	02		
CORSE TYPE	MINOR – 3.5 (CD)		
COURSE TITLE	FAMILY DYNAMICS		
COURSE NUMBER / PAPER NO.	01		
CREDIT	4 = 3+1		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

Focus :

1. This course purports to create awareness and appreciation for the role and functions of marriage and family
2. As basic institution. The changing trends, the dynamic of adjustment and contemporary problems and
3. Issues are to be critically analyzed for developing better understanding of needs and adjustment areas and
4. Intervention strategies.

Objectives:

- 1- Acquire knowledge and insights about the dynamics of contemporary marriage and family systems in India.
- 2- Become acquainted with the concept. Goals and areas of adjustment in marital relationship and within the family.
- 3- Become aware of the Changing roles and relationship within the family.

Theory:

Unit: 1 The family

- 1.1 Definition of the family.
- 1.2 Function of the family.
- 1.3 Types of the family.
- 1.4 Changing in family and factors influencing

Unit: 2 Marriage

2.1 Meaning of Marriage

2.2 Marriage as an institution

2.3 Goals, rituals and types of marriage.

2.4 Changes and challenges of marriage.

Unit 3 Mate selection and Marital counselling.

3.1 Factors influencing mate selection

3.2 Consideration of exogamy and endogamy.

3.3 Changing trends in mate selection. (dating)

3.4 Marital counselling. : Premarital counselling and Couple counselling.

Unit : 4 International relationship within the family.

4.1 Individual roles, right and responsibilities within the family.

4.2 Family interaction and communication - importance, methods of improvement.

4.3 Areas of adjustment within the family at different stages of family life cycle.

Practical:

1- Survey of Change in family.

2- Study of joint family (five family)

3- Study of Nuclear family (five family)

4- Group discussion : subject related area

References:

1- Agustine, V.N. (Ed) (1982) the family in Transition, New Delhi- Vikas publishing house.

2- Coleman J.C.(19998) intimate relationship marriage & the family, Chicago.

3- Cuppy, G.G. 19766: family and social change in modern India. New Delhi.

4- लग्न, कुटुंब अने सगपण संबंधो- प्रो। ओळ । शाह, प्रो। जे । के। दवे । जे

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PAPER STYLE OF SEMESTER EXAM		
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Q.1	Answer the Following Question OR Answer the Following Question	10
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Q.4	Answer the Following Question OR Answer the Following Question	10
Q.5	Write Any Two Short Note From Four	10
	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	05
	TOTAL	25

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COURSE LEVEL	UG	CODE	HSGEN2MDC41
SEMESTER	02		
CORSE TYPE	MD / ID		
COURSE TITLE	HOSPITALITY MANAGEMENT		
COURSE NUMBER / PAPER NO.	4		
CREDIT	4 = 3+1		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

OBJECTIVES:

To enable students:

1. To become aware of the different areas and functions of housekeeping.
2. To aware of the importance of proper sanitation and hygiene in room.
3. To develop skills in House Keeping activates.
4. Gain knowledge of different accessories of hotels.

THEORY:

UNIT-1: INTRODUCTION TO HOTELS AS A SERVICED INDUSTRY.

- 1.1 Types of service offered in hotels.
- 1.2 Types of operation (Plans)
- 1.3 House keeping
- 1.4 Introduction and importance of hospitality.
- 1.5 Organization of housekeeping department.
- 1.6 Duties and responsibilities of housekeeping staff.
- 1.7 Co-ordination of housekeeping department with other departments.

UNIT-2: CLEANING ACTIVITY AND PEST CONTROL

2.1 Cleaning agents.

2.1.1 Types of cleaning agent

2.1.2 Liquid cleaning agent.

2.1.3 Powder cleaning agent.

2.1.4 Paste cleaning agent.

2.1.5 Selection and use for different surface

2.1.6 Cleaning Techniques

2.2 Cleaning mechanical equipments:

2.2.1 Vacuum cleaner.

2.2.2 Shampoo machine.

2.3. Types of cleaning.

UNIT- 3: LINEN AND UNIFORM ROOM

3.1 Types of linen and their selections.

3.1.1 Table linen.

3.1.2 Bed linen.

3.1.3 Bath linen.

3.2 Stock determination, Control and distribution, Record keeping of linen.

3.3 Types of uniform.

3.4 Selection of uniform.

3.5 Distribution and control.

UNIT-4: ACCESSORIES

4.1 Types and their place in interior Decoration.

4.2 Paintings, sculpture and pots, and other Accessories.

PRACTICALS

1. To learn room cleaning procedure. List down the daily, weekly and yearly tasks.
2. To learn the cleaning procedure and care of glass articles.
3. To learn cleaning procedure and care of metals like brass and silver articles.
4. To learn the procedure of cleaning wash basin (ceramic) and sinks (stainless steel).
5. To learn the method of cleaning lampshades, fans and other electrical fixtures.

Recommendation Reading

1. Asler, (1970): Management of Hospitality Operations, BobbsMerill, London
2. Andrew Sudhir(1985) Hotel Housekeeping Training Manual, Tata McGraw Hill Publishing Co. New Delhi.
3. Chakravati B. K.: A technical guide to hotel operations-Metropolitan Book Co. Pvt. Ltd. -New Dellhi
4. David M. Allen: Accommodation and cleaning Service- Hutchinson Publishing Group Conway street- London.
5. Gladwell Derek: Practical Maintenance of equipments for hoteliers, Licenses and caterers - Hutchinson and Co. Pvt. Ltd. .
6. Hurst Rosemary: (1980): Housekeeping Management for Hotels and Residential Establishments- Heinemann Publisher
7. Hurst Rosemary (1980): Service and Maintenance for hotel and residential establishment.

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PAPER STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
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Q.4	Answer the Following Question OR Answer the Following Question	10
Q.5	Write Any Two Short Note From Four	10
	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	05
	TOTAL	25

Bhakt Kavi Narsinh Mehta University
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COURSE LEVEL	UG	CODE	HSGEN2MDC42
SEMESTER	02		
CORSE TYPE	MD / ID		
COURSE TITLE	EVENT MANAGEMENT		
COURSE NUMBER / PAPER NO.	4		
CREDIT	4 = 3+1		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

OBJECTIVES

To enable students to

- 1) To prepare student for project management to the creation and development
- 2) To provide knowledge for event planning process and tools and strategy festivals and event.

Theory

Unit - 1 Introduction

- 1.1 Kinds of event management
- 1.2 Carrier in event management

Unit - 2 Event planning

- 2.1 Event scheduling
- 2.2 Develop strategies for success

- Make checklist
- Create budget
- Plan publicity
- Timing
- Organizing committee
- Role of official

- 2.3 Key tips in developing the event plan

Unit-3 Event leadership

3.1 Growth opportunities for event leader

3.2 Developing the carrier

- Mastering yourself
- Effective timing management

SEC-1- B

- Financial and accounting skill
- Mastering in technology
- Human resource skill
- Event leadership carriers

Unit 4 Step of Successful event management

4.1 Techniques of market research

4.2 Qualitative and quantitative research

4.3 Validity and reliability

4.4 Produce considering effective events

4.5 Event design

4.6 Creative process in event research 4.7 Needs assessments and analysis

PRACTICALS

- Arrange Any One Compaction In Your College

Rangoli, Recipe, Mahendi

- Plan and Managed Any One of Event At Your Level And Evaluate Navaratri, Sports Week

Celebrate Different Days

RECOMMENDED READINGS

(1) Swarup K Goyel 2010 Adhyayan publishers and distributors Darya Ganj New Delhi

(2) Allen J Jarris R & Huyasken M Event Management Syndey University of Technology

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PAPER STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
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Q.5	Write Any Two Short Note From Four	10
	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	05
	TOTAL	25

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COURSE LEVEL	UG	CODE	HSGEN2SEC05
SEMESTER	02		
CORSE TYPE	SEC		
COURSE TITLE	BASIC OF COMPUTER APPLICATION		
COURSE NUMBER / PAPER NO.	5		
CREDIT	2		
TEACHING HOURS	60		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
TOTAL	50		
EXAM DURATION	4 hrs (P)		

OBJECTIVES;

To enable the students to -

1. Know the basics of computers;
2. To be able to use computers for education, information and research.

SESSION 1: LAB GUIDE

Working with Windows OS

- 1.1 Working with Desktop
- 1.2 Creating Folder
- 1.3 Creating Text Files
- 1.4 Renaming and Deleting the File And Folder
- 1.5 Working with Recycle Bin
- 1.6 Shutting Down

SESSION 2: LAB GUIDE

MS-Word 2007

- 2.1 How to Start MS-Office
- 2.2 Office Button - New, Open, Save, Save As, Print, Print Preview, Close
- 2.3 Home Menu - Clipboard, Font, Paragraph, Style, Editing
- 2.4 Insert Menu - Pages, Tables, Illustrations, Header & Footer
- 2.5 Page Layout - Themes, Page Setup, Page Background, Paragraph

SESSION 3:

LAB GUIDE

MS-Power Point 2007

3.1 How to Start Power Point

3.2 Office Button - New, Open, Save, Save As, Print, Send, Close

3.3 Home Menu - Clipboard, Font, Paragraph, Drawing, Editing 3.4 Insert Menu - Tables, Illustration,

Header & Footer

3.5 Design Menu - Page Setup, Themes, Background,

3.6 Animations Menu - Preview, Animations, Transition

3.7 Slide Show Menu - Start Slide Show, Set Up

SESSION 4: LAB GUIDE

Internet

4.1 Email- Create your E-Mail Account

4.2 Log into E-Mail Account

4.3 Read an E-Mail, Send an E-Mail

4.4 Sending Soft Copy as Attachments

4.5 Download Attachments.

4.2 Open Following Websites.

1. Your College Website

2. BKNMU Website

3. Http www.irctc.com.in

4. Http www.yatra.com

PRACTICAL-

- 1) Prepare an application for the post of a lecturer in College in MS- Word.
- 2) Prepare a resume in MS-Word.
- 3) Prepare your semester-2 time table in MS-Word.
- 4) Enlist your semester-1 and semester-2 subjects in MS-Word.
- 5) Prepare a bar chart of your college H.Sc. semester-6 results of last 5 years in MSWord.
- 6) Prepare a pie chart of your class semester-1 result in MS-Word. (Number of girls and got grade or class.
- 7) Prepare a visiting card for hobby classes/tuition class/ beauty parlour in MS-Word.
- 8) Prepare an invitation card for inauguration of your shop in MS-Word.
- 9) Prepare a power point presentation to give information about home science. 10) Prepare a power point presentation for your hobby classes/ beauty parlour/ boutique.

RECOMMENDED READINGS-

- 1) Microsoft office 2007 2nd edition by computer world.
- 2) Bano computer expert 5th edition by computer world.
- 3) Beginner's guide 2001 by Aptech Limited 4) Computer application & I-1 by C. Jamnadas & company.

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	05
	TOTAL	25

Bhakt Kavi Narsinh Mehta University
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COURSE LEVEL	UG
SEMESTER	02
CORSE TYPE	AEC
COURSE TITLE	GUJARATI/HINDI/ENGLISH/SANSKRUT
COURSE NUMBER / PAPER NO.	06
CREDIT	2
TEACHING HOURS	30
INTERNAL MARKS	25
PRACTICAL MARKS	00
EXTERNAL MARKS	25
TOTAL	50
EXAM DURATION	2 hrs + 0 hrs (T+P)

BY BKNMU AS PER NEP

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COURSE LEVEL	UG
SEMESTER	02
CORSE TYPE	VAC
COURSE TITLE	IKS / VAC
COURSE NUMBER / PAPER NO.	07
CREDIT	2
TEACHING HOURS	30
INTERNAL MARKS	25
PRACTICAL MARKS	00
EXTERNAL MARKS	25
TOTAL	50
EXAM DURATION	2 hrs + 0 hrs (T+P)

BY BKNMU AS PER NEP

MAJOR FOODS AND NUTRITION

SEM: - 1 TO 2

MAJOR – FOOD AND NUTRITION HOME SCIENCE SEM - 1					
COURSE	PAPER NO	SUBJECT	CREDIT	CONTACT HOURS	CODE
MAJOR –1	1	INTRODUCTION TO FOODS	3+1	5	HS0FN1MAJ11
MAJOR –2	2	FUNDAMENTALS OF NUTRITION	3+1	5	HS0FN1MAJ22
MINOR	3	COMMUNICATION PROCESS IN DEVELOPMENT	3+1	5	HS0FN1MIN03
MD / ID	4.1	HUMAN PHYSIOLOGY	3+1	5	HS0FN1MDC41
	4.2	LIFE SCIENCE			HS0FN1MDS42
SEC	5	FASHION STUDIES (ONLY PRACTICAL)	2	4	HS0FN1SEC05
AEC	6	GUJARATI/HINDI/SANKRIT/ENGLISH	2	2	
IKS	7	IKS	2	2	
			22	28	

SEM. -1

MAJOR – FOODS AND NUTRITION

DSC: Discipline Specific Course [**Major (Core), Minor (Elective)**]

MDC: Multi-Disciplinary Course, **IDC:** Inter Disciplinary Course **SEC:** Skill Enhancement Course

HOME SC.	BRANCH	SEM	COURSE	PAPER NO
HS	FN.	1	MAJ/MIN/MDC/IDC/SEC	1,2,3,4,5

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COURSE LEVEL	UG	CODE	HS0FN1MAJ11
SEMESTER	01		
CORSE TYPE	MAJOR – 1		
COURSE TITLE	INTRODUCTION TO FOODS		
COURSE NUMBER / PAPER NO.	01		
CREDIT	4 (3+1)		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

OBJECTIVES

- 1) The course enables the students to understand the functions of food and the role of various nutrients and the effect of deficiency and excess.
- 2) To learn about the composition and nutritional contribution and selection of different food stuff.
- 3) To be familiar with different methods of cooking, their advantages and disadvantages.

UNIT: 1 FUNCTIONS OF FOOD

- Energy yielding, body building & protective foods.

UNIT: 2 THE BASIC FOOD GROUPS

- Cereals & Millets
- Pulses
- Vegetables
- Fruits
- Milk and milk products
- Oil seed and Dry fruits
- Meat and fish
- Eggs
- Oil and fats
- Spices

UNIT: - 3 DIFFERENT METHODS OF COOKING

- Boiling -Pressure cooking
- Steaming Micro wave cooking
- Roasting Solar cooking
- Baking -Puffing
- Frying
- Stewing
- Poaching
- Brewing

UNIT: - 4 Nutritional losses in cooking and enhancing nutritional quality

- Germination
- Fermentation

Practicals:

1. use and care of kitchen equipments
2. Controlling techniques: weight & measures standard House hold measures for raw food.
3. Preparation of one dish using different cooking methods

RECOMMENDED READINGS

- Khanna K, Gupta S, Seth R, Mahna R, Rekhi T (2004). *The Art and Science of Cooking: A Practical Manual*, Revised Edition. Elite Publishing House Pvt Ltd.
- Raina U, Kashyap S, Narula V, Thomas S, Suvira, Vir S, Chopra S (2010). *Basic Food Preparation: A Complete Manual*, Fourth Edition. Orient Black Swan Ltd.
- Bamji MS, Krishnaswamy K, Brahman GNV (2009). *Textbook of Human Nutrition*, edition. Oxford and IBH Publishing Co. Pvt. Ltd.
- Srilakshmi (2007). *Food Science*, 4th Edition. New Age International Ltd.
- Wardlaw and Insel MG, Insel PM (2004). *Perspectives in Nutrition*, Sixth Edition. Mosby.
- Chadha R and Mathur P (eds). *Nutrition: A Lifecycle Approach*. Orient Blackswan, Delhi 2015.
- Mudambi S (1981). *Fundamentals of Foods and Nutrition*. Wiley Eastern Ltd.
- Neelam Buddhdev, Bhavana Vaid (2004). *Fundamentals of Foods and Nutrition*. Pravin Prakashan.
- Human Nutrition - R. Rajlaxmi (1981). *Applied Nutrition*. Oxford and IBH Publishing Co.
- Thangam E. Philip *Modern Cookery – Vol. I and II*. Orient Longman Publication.
- M. Swaminathan (1979) *Food Science, Chemistry and Experimental Foods*. Ganesh and Co.

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PAPER STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	Answer the Following Question OR Answer the Following Question	10
Q.4	Answer the Following Question OR Answer the Following Question	10
Q.5	Write Any Two Short Note From Four	10
	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	5
	TOTAL	25

Bhakt Kavi Narsinh Mehta University
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COURSE LEVEL	UG	CODE	HS0FN1MAJ22
SEMESTER	01		
CORSE TYPE	MAJOR – 2		
COURSE TITLE	FUNDAMENTALS OF NUTRITION		
COURSE NUMBER / PAPER NO.	02		
CREDIT	4 (3+1)		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

OBJECTIVE

1. This course enables the student to understand the functions of and the role of various nutrients And the effects of deficiency and excess. (In brief)
2. Learn About The Composition And Notational Contribution Selection Of Different Food Stuff.
3. Be Familiar with Different Methods of Cooking Their Advantaged 'Disadvantages. ,
4. Develop The Ability To Improve The Nutritional' Gravity Of Food.

THEORY

UNIT: 1 INTRODUCTION

- Concept of nutrition
- Definition of Food, diet, nutritional status & malnutrition. Signs of good & poor nutrition
-

UNIT; 2 NUTRIENTS; - classification, sources, functions, R.D.A. and deficiency And excess

- Carbohydrate
- Protein
- Fat
- Energy

UNIT; - 3 MICRONUTRIENT: -

- Vitamins , Fat soluble vitamins , Water soluble Vitamins
- Minerals (calcium , phosphorus , magnesium , sodium potassium , iron , fluorine , iodine , copper, zinc

UNIT: - 4 Water

(Function, Distribution and Dehydration)

- **PRACTICAL**
- Preparation & calculation of following nutrient rich recipes

- Carbohydrates rich
- Protein rich
- Energy rich
- Fat rich
- Vitamins
- Minerals

RECOMMENDED READINGS

1. Khanna K, Gupta S, Seth R, Mahna R, Rekhi T (2004). *The Art and Science of Cooking: A*
2. *Practical Manual*, Revised Edition. Elite Publishing House Pvt Ltd.
3. Raina U, Kashyap S, Narula V, Thomas S, Suvira, Vir S, Chopra S (2010). *Basic Food Preparation: A Complete Manual*, Fourth Edition. Orient Black Swan Ltd.
4. Bamji MS, Krishnaswamy K, Brahman GNV (2009). *Textbook of Human Nutrition*, 3rd edition. Oxford and IBH Publishing Co. Pvt. Ltd.
5. Srilakshmi (2007). *Food Science*, 4th Edition. New Age International Ltd.
6. Wardlaw and Insel MG, Insel PM (2004). *Perspectives in Nutrition*, Sixth Edition. Mosby.
7. Chadha R and Mathur P (eds). *Nutrition: A Lifecycle Approach*. Orient Blackswan, Delhi. 2015

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PAPER STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	Answer the Following Question OR Answer the Following Question	10
Q.4	Answer the Following Question OR Answer the Following Question	10
Q.5	Write Any Two Short Note From Four	10
	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	5
	TOTAL	25

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COURSE LEVEL	UG	CODE	HS0FN1MIN03
SEMESTER	01		
CORSE TYPE	MINOR – 1		
COURSE TITLE	COMMUNICATION PROCESS IN DEVELOPMENT		
COURSE NUMBER / PAPER NO.	03		
CREDIT	4 (3+1)		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

Objectives:

To enable students to:

1. Understand the educational Communication process in development work
2. To Gain the Knowledge about Mass communication
3. Develop skills in the use of methods.

Outcome:

1. Develop skills in communication with the people in the community.
2. The course focus on the process of communication, especially in development work in rural and urban areas

UNIT 1.COMMUNICATION CONCEPT AND DEFINITION

- A. Historical background Concept and nature.
- B. Function of communication.
- C. Type of communication. Communication transactions. Formal and informal communication. Verbal and nonverbal communication., Individual and group communication
- D. Scope of communication. - Education. Training and learning industries. Motivation and management. Corporate communication, management organization. Advertising and public relations.

UNIT. 2. UNDERSTANDING HUMAN COMMUNICATION

- Culture and communication. - Sign. Symbols and codes in communication
- Principles of Communication.
- Models of communication.
- Barriers. In communication

UNIT. 3.COMMUNICATION PROCESS.-

- A. Basic Elements of communication.
- B. Classification of Communications methods-(according to nature, use, communication based media, and Institutional-no institutional communication method
- C. Selection of audiovisual aids
- D. Importance of Communication Process

Unit. 4 Mass communication.

- A. Meaning, definition and functions
- B. Models
- C. Mass Communication Media –Press ,Press Registrar Office, Letter Information Office, News Agencies, Press Commission, Press Council, news Paper(use, advantages, disadvantages)News Stories.
- D. Points to be consider for effective communication --- Empathy, - Persuasion - Perception
- Listening

PRACTICAL:

1. Study about types of Group discussion and write in detail with examples
2. Write and present a report of visual aids which are used in Government Agency/nongovernment/voluntary agencies/organization's development Programs. (Any two programs
3. Prepare a report chart on Nonverbal Communication techniques -Explain signs, symbols and codes use as any nonverbal communication.
- 4.Show a recorded nonverbal communication event-movie/roleplay/street play /theater program and written evaluation report about it.

REFERENCES

- 1.Enderson (1972): Introduction to communication theories and practices. Cummings publishing house. California
2. Bernice Hurst (1996): The handbook of communication skills, Kogan Page Limited, London.
3. Chandra A. Shah A, Joshi U (1989): Fundamentals of teaching home science. Sterling publishers, New Delhi
4. Ray.G.L.9(fourth edition 1999): Extension Communication and Management. Naya Prakash,Calcutta,India.
- 5.Dhamma O.P. and Bhatnagar O.P.1987. Education Communication for Development. Oxford and IBH Publishing Co.Pvt Ltd.,New Delhi
- 6.ધકાનડી :(1998).વિસ્તરણશિક્ષણનાંમૂળતત્વો.,કનકડીપ્રકાશન.,જામનગર.
- 6.Dhakan D. (1998):Vistaran Shikshan na Multatvo,Kanak D Prakashan,Jamnagar.
- .7રાજપુરાએમ.ગૃહવિજ્ઞાનવિસ્તરણઅનેપ્રત્યાયન(2004).,પ્રવીણપ્રકાશન,રાજકોટ,ભારત.
- 7.RajpuraM., Gruh VigyanVistaran ane Pratyayan 2004).,Pravin Prakashan, Rajkot,India.

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PAPER STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	Answer the Following Question OR Answer the Following Question	10
Q.4	Answer the Following Question OR Answer the Following Question	10
Q.5	Write Any Two Short Note From Four	10
	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	5
	TOTAL	25

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COURSE LEVEL	UG	CODE	HS0FNMD41
SEMESTER	01		
CORSE TYPE	MD / ID		
COURSE TITLE	HUMAN PHYSIOLOGY		
COURSE NUMBER / PAPER NO.	4.1		
CREDIT	4 (3+1)		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

Objectives:

This course will enable the students to:

- Understand the cell and its structure
- Understand the anatomy of human body
- Understand general structure and functions of various systems in human body

THEORY

Unit 1:- Introduction to human body

1.1 Formation of human body

1.2 Cell: types of cells, difference between animal and plant cells, structure and Functions of various cellular organelles

Unit 2:- Tissue

Structure and functions of various tissues

- Epithelial tissue
- Connective tissue
- Muscular tissue
- Nervous tissue

Unit 3:- Structure and functions of various systems

3.1 Digestive system

- Overview of gastro intestinal tract
- Structural and functions of various organs of digestive system
- Accessory digestive glands and their functions: salivary glands, liver and pancreas

- Digestion and absorption of food

3.2 Respiratory system

- Structure and functions of respiratory system
- Mechanism of respiration

3.3 Circulatory system

- Composition and functions of blood (in short)
- Structure and functions of heart
- Blood vessels: Artery and Veins
- Physiology of circulation: Systemic and Pulmonary circulation

3.4 Excretory system

- Structure and functions of urinary system
- Urine formation

3.5 Reproductive system

- Female reproductive system
- Menstruation, puberty and menopause

Unit 4: Endocrine system

Hormones and functions of

- Pituitary gland
- Thyroid gland
- Parathyroid gland
- Adrenal gland
- Pancreas
- Testis and Ovaries

PRACTICALS

1. OBSERVATION OF ONION CELLS UNDER MICROSCOPE
2. DEMONSTRATION AND PREPARATION OF STAINED FRESH BLOOD SMEAR
3. IDENTIFICATION OF BLOOD GROUPS
4. IDENTIFICATION OF DIFFERENT ORGANS AND ITS FUNCTIONS:
 - Digestive system
 - Respiratory system
 - Urinary system
 - Reproductive system
 - Heart

REFERENCES:

1. Physiology and anatomy By Evelyn pearce
2. Textbook of Medical Physiology By Guyton.A. C
3. Essential of Medical Physiology By
Mahapatra A. B. S
4. Manav sharir Rachna Aei kriya vigyan (Gujarati) By S. N. Parikh
5. જીવ વિજ્ઞાન (Biological science) By ડૉ એમ.સી.ભવસાર, સંધ્યા પરીખ

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PAPER STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	Answer the Following Question OR Answer the Following Question	10
Q.4	Answer the Following Question OR Answer the Following Question	10
Q.5	Write Any Two Short Note From Four	10
	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	5
	TOTAL	25

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COURSE LEVEL	UG	CODE	HS0FN1MDS42
SEMESTER	01		
CORSE TYPE	MD / ID		
COURSE TITLE	LIFE SCIENCE		
COURSE NUMBER / PAPER NO.	4.2		
CREDIT	4 (3+1)		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

OBJECTIVES:

- Introduction Of Plant Seeds And Vegetables
- Classification Of Animals

SECTION A-BOTANY

UNIT 1: INTRODUCTION TO PLANT KINGDOM

Classification of Plant Kingdom

- Angiospermic plants (Flower with details of its parts)
- Formation of fruit, seed and embryo
- Structure of monocot and dicot seed and seed germination

UNIT 2: PROPAGATION OF PLANTS - SEED AND VEGETATIVE

- Seed Propagation
- Cuttings-stem leaf and root
- Layering
- Grafting

SECTION B-ZOOLOGY

Unit 3:

- Classification of animal kingdom
- Chordates up to 5 major classes, characteristics with examples

- Non chordates up to phyla, characteristics with examples
- Cell theory, electron microscopic structure and function of a cell

UNIT; - 4

- Parasites and human diseases
- Plasmodium, Giardia, Enamoeba, Taenia, Ascaris etc
- Economics importance and control of common household pests
- Insects as a resource

RECOMMENDED READINGS:

1. Chadha K.L.2012. Handbook of Horticulture. ICAR Publication.
2. Gopalaswamianger K.S.1991, Complete gardening in India, MessersNagaraj And Co. Madras
3. Hartman H.T and Kester D 1986.:Plant Propagation, Principles and Practices Prentice Hall of India Pvt. Ltd. New Delhi.
4. Raven P. and Johnson G. 2010. Biology. McGraw Hill Science.
5. Soni N.K. and Soni V. 2010. Fundamentals of Botany. Tata McGraw Hill Educati
6. Jordan and Verma, 1998, Invertebrate Zoology, S. Chand and Co. Ltd
7. Kotpal,2000,Modern Textbook of Zoology, Restage Publications
8. Winchester, A.M. 1967, Genetics, Oxford and IBH Publishing Company
9. Vij and Gupta (2011)Applied Zoology Phoenix Publishing House

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PAPER STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	Answer the Following Question OR Answer the Following Question	10
Q.4	Answer the Following Question OR Answer the Following Question	10
Q.5	Write Any Two Short Note From Four	10
	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	5
	TOTAL	25

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COURSE LEVEL	UG	CODE	HS0FN1SEC05
SEMESTER	01		
CORSE TYPE	SEC		
COURSE TITLE	FASHION STUDIES		
COURSE NUMBER / PAPER NO.	5		
CREDIT	2 (ONLY PRACTICALS)		
TEACHING HOURS	60		
INTERNAL MARKS	25		
EXTERNAL PRACTICAL MARKS	25		
TOTAL	50		
EXAM DURATION	4 hrs (P)		

OBJECTIVE

1. This course helps in understanding concept of fashion and the factors that affect fashion.
2. Its enables the students to familiarize with fashion terminology.
3. Understanding of the fashion trends is must for garment designers to make their designs acceptable in Market.
4. Thus this is a very important course for students.

PRACTICAL

1. To collections of famous designers photographs Garment from internet which is related to the field.
2. To make Fashion Accessories — (Any Two)
 - a. Jewellery
 - b. Hand Bag
 - c. Purses
 - d. Broach
 - e. Belt
3. Sketching of elements design
4. Sketching of Principles design
5. Project work — Fashion Accessories / Fashion Style / Fashion Collection

RECOMMENDED READINGS

1. Fashion Design Essentials: 100 Principles of Fashion Design - Rockport I Jay Calderin
2. The culture of Fashion - Christopher Breward
3. Fashion and Modernity O Christopher Breward
4. Fashion logy: An Introduction to Fashion Studies - Yuniya Kawamura
5. Fashion and Its Social Agendas: Class, Gender, and Identity in Clothing – DianaCrane
6. Fashion Cultures: Theories, Explorations and Analysis - Stella Bruzzi
7. Ready to Wear Apparel Analysis. Prentice Hall, Brown, Patty, Rice J., 1998.
8. Individuality in Clothing & Personal, Marshall S G, Jackson H O, Stanley MS, Kefge M & Specht T, 2009.
9. Appearance, 6th Edition, Pearson Education, USA.
10. The Complete Book of Fashion Design, Harper and Row Publications, Tate S.L., .
Edwards M.S., 1982, New York
11. Dr.veena s. samani(2012) :apparel making part- I Saurashtra university — Rajkot

INTERNAL MARKS BIFURCATION		
1	Practical Exam	13
2	COMPONENTs	12
	TOTAL	25

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	5
	TOTAL	25

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COURSE LEVEL	UG
SEMESTER	02
CORSE TYPE	AEC
COURSE TITLE	GUJARATI/HINDI/ENGLISH/SANSKRUT
COURSE NUMBER / PAPER NO.	06
CREDIT	2
TEACHING HOURS	30
INTERNAL MARKS	25
PRACTICAL MARKS	00
EXTERNAL MARKS	25
TOTAL	50
EXAM DURATION	2 hrs + 0 hrs (T+P)

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COURSE LEVEL	UG
SEMESTER	02
CORSE TYPE	VAC
COURSE TITLE	IKS / VAC
COURSE NUMBER / PAPER NO.	07
CREDIT	2
TEACHING HOURS	30
INTERNAL MARKS	25
PRACTICAL MARKS	00
EXTERNAL MARKS	25
TOTAL	50
EXAM DURATION	2 hrs + 0 hrs (T+P)

BY BKNMU AS PER NEP

MAJOR – FOOD AND NUTRITION HOME SCIENCE SEM - 2					
COURSE	PAPER NO	SUBJECT	CREDIT	CONTACT HOURS	CODE
MAJOR -1	1	FOOD PRESERVATION	3+1	5	HS0FN2MAJ11
MAJOR -2	2	INTRODUCTION TO PUBLIC NUTRITION AND HEALTH CARE	3+1	5	HS0FN2MAJ22
MINOR	3	INTRODUCTION TO CLOTHING AND TEXTILE	3+1	5	HS0FN2MIN03
MD / ID	4.1	HOSPITALTY MANAGEMENT	3+1	5	HS0FN2MDC41
	4.2	EVENT MANAGEMENT			HS0FN2MDS42
SEC	5	BASICS OF COMPUTER APPLICATION (ONLY PRACTICAL)	2	4	HS0FN2SEC05
AEC	6	GUJARATI/HINDI/SANKRIT/ENGLISH	2	2	
IKS	7	IKS	2	2	
			22	28	

SEM. -2

MAJOR – FOODS AND NUTRITION

DSC: Discipline Specific Course [**Major (Core), Minor (Elective)**]

MDC: Multi-Disciplinary Course, **IDC:** Inter Disciplinary Course **SEC:** Skill Enhancement Course

HOME SC.	BRANCH	SEM	COURSE	PAPER NO
HS	FN.	2	MAJ/MIN/MDC/IDC/SEC	1,2,3,4,5

Bhakt Kavi Narsinh Mehta University
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COURSE LEVEL	UG	CODE	HS0FN2MAJ11
SEMESTER	02		
CORSE TYPE	MAJOR - 1		
COURSE TITLE	FOOD PRESERVATION		
COURSE NUMBER / PAPER NO.	01		
CREDIT	4 = 3+1		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

• **Objectives:**

The course will enable students:

To gain knowledge regarding principles of food preservation.

To prepare students for home scale production of preservative products such as jam, jelly, tomato ketchup, etc.

To teach students different methods of food preservation.

To appraise students of the latest development in food preservation.

THEORY:

UNIT-1: INTRODUCTION OF FOOD PRESERVATION

Importance of Food Preservation

Principle of Food Preservation

UNIT-2: METHODS OF FOOD PRESERVATION

2.1 Bacteriostatic Methods: Dehydration, Fermentation, Freezing or Low Temperature Salt, Sugar,

oil, Vinegar, Chemicals, etc.

2.2 Bactericidal Methods: Use of higher temperature, Pasteurization, Canning, Boiling, Irradiation.

UNIT-3: FOOD SPOILAGE Food fit for consumption

Deterioration of food quality Nonperishable, Semi perishable and Perishable

foods. Causes of food spoilage

UNIT-4: PRESERVATION OF FOOD PRODUCTS, PREPARATION AND PRINCIPLES OF FOOD

PRESERVATION

- Fruit juice and Squashes
- Jam, Jelly and Marmalade.
- Tomato Products (Chutney and ketchup)

4.4 PICKLES

PRACTICALS:

Preparation of the following food products in laboratory.

Syrup and Squash

- **Jam**
- **Jelly**
- **Marmalade**
- **Pickles**
- **Chutney**
- **Tomato ketchup • Freezing**
- **Drying of vegetables and fruits**

RECOMMENDED READINGS

- G. Subbalashmi - Shobha A. Udipi, Food Processing and Preservation, New Age International Publisher.
- Girdharilal, G. S. Siddappa, G.L.Tandon, Preservation of Fruits and Vegetables,.
- M. Swami Nathan, Food Science, Chemistry and Experimental Foods,

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PAPER STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	Answer the Following Question OR Answer the Following Question	10
Q.4	Answer the Following Question OR Answer the Following Question	10
Q.5	Write Any Two Short Note From Four	10
	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	5
	TOTAL	25

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COURSE LEVEL	UG	CODE	HS0FN2MAJ22
SEMESTER	02		
CORSE TYPE	MAJOR - 2		
COURSE TITLE	INTRODUCTION TO PUBLIC NUTRITION AND HEALTH CARE		
COURSE NUMBER / PAPER NO.	02		
CREDIT	4 = 3+1		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

OBJECTIVES;

To Orient Students to the basic principles of public nutrition. .

To gain skills in planning and conducting NHC projects

Theory

UNIT 1 CONCEPT AND SCOPE OF PUBLIC NUTRITION.

- Definition and multi disciplinary nature of public nutrition
- Concept and scope.

Role of public nutritionist

UNIT – 2 HEALTH CARE OF THE COMMUNITY

- Concept of health care.
- Different levels of Healthcare.
- Health care services at different levels.

UNIT-3 PUBLIC NUTRITION AND HEALTH EDUCATION OBJECTIVES.

PRINCIPLES AND NEED OF PUBLIC NUTRITION AND HEALTH EDUCATION

UNIT 4 THEMES AND MESSAGES IN NUTRITION AND HEALTH EDUCATION

- Themes in nutrition education
- Nutrition during school age, adolescence, adulthood and old age

- Themes in health education
- Preventing and Treating common sickness and problems.
- Messages in nutrition and health education
- Messages in nutrition education
- Messages in health education
- How to improve relevance and effectiveness of a message.

PRACTICALS

1. Planning and preparation of snacks for

- Protein energy malnutrition
- Vitamin A deficiency
- nutritional anemia
- calcium deficiency

2. Prepare messages to educate the community by making different messages on nutrition and health

For vulnerable groups; pregnant women, lactating women, infant, adolescence and old age

3. Visit to any National program or organization working on nutrition and Health

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PAPER STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	Answer the Following Question OR Answer the Following Question	10
Q.4	Answer the Following Question OR Answer the Following Question	10
Q.5	Write Any Two Short Note From Four	10
	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	5
	TOTAL	25

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COURSE LEVEL	UG	CODE	HS0FN2MIN03
SEMESTER	02		
CORSE TYPE	MINOR – 1		
COURSE TITLE	INTRODUCTION TO CLOTHING AND TEXTILE		
COURSE NUMBER / PAPER NO.	03		
CREDIT	4 = 3+1		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

OBJECTIVES:

1. This course will provide sound foundation for garment manufacturing techniques.
2. To develop skills in students related to body measurements using appropriate tools, Sewing by non-automatic machine.
3. Application of appropriate constructional stitches, and preparation of fabric for clothing construction.
4. To acquire the knowledge of different kinds of nature & manmade fibers, Yarns & Fabric construction
5. To develop the basic knowledge of Weaving, Knitting

Theory

Ch 1 sewing machine

- History of sewing machine
- Parts and Functions of sewing machine
- Problems and Remedy of sewing machine
- Care of sewing machine

Ch 2 sewing Tools (with figure)

- Measuring Tools
- Marking Tools
- Cutting Tools
- Sewing Tools
- Finishing Tools

Ch 3 Basic Stitches and Seams

- Basic Hand Stitches
- Basic machine Stitches
- Types of Seams

Ch 4 introduction and terminology of textile

- Introduction
- Classification of Fibre
- Properties(Primary and Secondary)
- Terminology

Ch 5 manufacturing process, properties and testing of main fibre

- Cotton
- Silk
- wool
- nylon

Ch 6 Yarn and Fabric construction

- Types of yarn
- simple yarn
- complex yarn
- texture yarn
- Fabric Constriction
- Types of waves

Practical

1. Demonstration of sewing Machine
2. Basic Hand Stitches (Any Stitches: Five)
3. Types of weaving with drawing and making
4. Testing of Fibre.
 - Microscope test
 - Visualizes test
 - Chemical test
 - Burning test
5. Drafting and Stitches: Any one
 - Pillow Cover
 - Apron

RECOMMENDED READINGS

1. Macall_s sewing in colour, Hamlyn
2. Singer sewing Book, Gladys Cunningham, Golden Pr
3. Complete guide to sewing, Reader digest
4. Clothing construction, Evelyn A.Mansfield, Houghton Mifflin 1953
5. The technology of clothing manufacture, Harold Carr and Barbara Latham John Wiley
Wiley & sons. 1994
6. The Art of Sewing, Thomas (annajacob), UBS Publication distributor Ltd.
7. Isabel Sutherland Ed. Home dress making Pan Craft Book
8. Textiles- Fiber to Fabric (6 thEdition), Corbman, P.B., (1985) Gregg

Division/ Mc. Graw Hill Book Co., US.

9. Essentials of Textiles (6th Edition), Joseph, M.L., (1988) Holt, Rinehart and Winston Inc., Florida.
- PH10. Textbook of Fabric Science: Fundamentals to Finishing, Sekhri S., (2013) PHI Learning, Delhi.
10. Understanding Textiles, Tortora, G. Phyllis, McMillan Co. USA.

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PAPER STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	Answer the Following Question OR Answer the Following Question	10
Q.4	Answer the Following Question OR Answer the Following Question	10
Q.5	Write Any Two Short Note From Four	10
	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	5
	TOTAL	25

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COURSE LEVEL	UG	CODE	HS0FN2MDC41
SEMESTER	02		
CORSE TYPE	MD / ID		
COURSE TITLE	HOSPITALITY MANAGEMENT		
COURSE NUMBER / PAPER NO.	4.1		
CREDIT	4 = 3+1		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

OBJECTIVES:

To enable students:

1. To become aware of the different areas and functions of housekeeping.
2. To aware of the importance of proper sanitation and hygiene in room.
3. To develop skills in House Keeping activates.
4. Gain knowledge of different accessories of hotels.

THEORY:

UNIT-1: INTRODUCTION TO HOTELS AS A SERVICED INDUSTRY.

- 1.1 Types of service offered in hotels.
- 1.2 Types of operation (Plans)
- 1.3 House keeping
- 1.4 Introduction and importance of hospitality.
- 1.5 Organization of housekeeping department.
- 1.6 Duties and responsibilities of housekeeping staff.
- 1.7 Co-ordination of housekeeping department with other departments.

UNIT-2: CLEANING ACTIVITY AND PEST CONTROL

- 2.1 Cleaning agents.
 - 2.1.1 Types of cleaning agent
 - 2.1.2 Liquid cleaning agent.
 - 2.1.3 Powder cleaning agent.
 - 2.1.4 Paste cleaning agent.
 - 2.1.5 Selection and use for different surface
 - 2.1.6 Cleaning Techniques
- 2.2 Cleaning mechanical equipments:
 - 2.2.1 Vacuum cleaner.

2.2.2 Shampoo machine.

2.3. Types of cleaning.

UNIT- 3: LINEN AND UNIFORM ROOM

3.1 Types of linen and their selections.

3.1.1 Table linen.

3.1.2 Bed linen.

3.1.3 Bath linen.

3.2 Stock determination, Control and distribution, Record keeping of linen.

3.3 Types of uniform.

3.4 Selection of uniform.

3.5 Distribution and control.

UNIT-4: ACCESSORIES

4.1 Types and their place in interior Decoration.

4.2 Paintings, sculpture and pots, and other Accessories.

PRACTICLAS

1. To learn room cleaning procedure. List down the daily, weekly and yearly tasks.
2. To learn the cleaning procedure and care of glass articles.
3. To learn cleaning procedure and care of metals like brass and silver articles.
4. To learn the procedure of cleaning wash basin (ceramic) and sinks (stainless steel).
5. To learn the method of cleaning lampshades, fans and other electrical fixtures.

Recommendation Reading

1. Asler, (1970): Management of Hospitality Operations, BobbsMerill, London
2. Andrew Sudhir(1985) Hotel Housekeeping Training Manual, Tata McGraw Hill Publishing Co. New Delhi.
3. Chakravati B. K.: A technical guide to hotel operations-Metropolitan Book Co. Pvt. Ltd. -New Delhi
4. David M. Allen: Accommodation and cleaning Service- Hutchinson Publishing Group Conway street- London.
5. Gladwell Derek: Practical Maintenance of equipments for hoteliers, Licenses and caterers - Hutchinson and Co. Pvt. Ltd. .
6. Hurst Rosemary: (1980): Housekeeping Management for Hotels and Residential Establishments- Heinemann Publisher
7. Hurst Rosemary (1980): Service and Maintenance for hotel and residential establishment.

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PAPER STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	Answer the Following Question OR Answer the Following Question	10
Q.4	Answer the Following Question OR Answer the Following Question	10
Q.5	Write Any Two Short Note From Four	10
	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	5
	TOTAL	25

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COURSE LEVEL	UG	CODE	HS0FN2MDC42
SEMESTER	02		
CORSE TYPE	MD / ID		
COURSE TITLE	EVENT MANAGEMENT		
COURSE NUMBER / PAPER NO.	4		
CREDIT	4 = 3+1		
TEACHING HOURS	45 (T) + 30 (P) 75		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
EXTERNAL MARKS	50		
TOTAL	100		
EXAM DURATION	2 hrs + 2 hrs (T+P)		

OBJECTIVES:

To enable students to

- 1) To prepare student for project management to the creation and development
- 2) To provide knowledge for event planning process and tools and strategy festivals and event.

Theory

Unit - 1 Introduction

- 1.1 Kinds of event management
- 1.2 Carrier in event management

Unit - 2 Event planning

- 2.1 Event scheduling
- 2.2 Develop strategies for success

- Make checklist
- Create budget
- Plan publicity
- Timing
- Organizing committee
- Role of official

- 2.3 Key tips in developing the event plan

Unit-3 Event leadership

3.1 Growth opportunities for event leader

3.2 Developing the carrier

- Mastering yourself
- Effective timing management

SEC-1- B

- Financial and accounting skill
- Mastering in technology
- Human resource skill
- Event leadership carriers

Unit 4 Step of Successful event management

4.1 Techniques of market research

4.2 Qualitative and quantitative research

4.3 Validity and reliability

4.4 Produce considering effective events

4.5 Event design

4.6 Creative process in event research 4.7 Needs assessments and analysis

PRACTICALS

- Arrange Any One Compaction In Your College

Rangoli, Recipe, Mahendi

- Plan and Managed Any One of Event At Your Level And Evaluate Navaratri, Sports Week
- Celebrate Different Days

RECOMMENDED READINGS

(1) Swarup K Goyel 2010 Adhyayan publishers and distributors Darya Ganj

New Delhi

(2) Allen J Jarris R & Huyasken M Event Management Syndey University of Technology

INTERNAL MARKS BIFURCATION		
No	Particulars	Marks
1	COMPONENT	
	TOTAL	25

PAPER STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	Answer the Following Question OR Answer the Following Question	10
Q.4	Answer the Following Question OR Answer the Following Question	10
Q.5	Write Any Two Short Note From Four	10
	TOTAL	50

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	5
	TOTAL	25

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COURSE LEVEL	UG	CODE	HS0FN2SEC05
SEMESTER	02		
CORSE TYPE	SEC		
COURSE TITLE	BASIC OF COMPUTER APPLICATION		
COURSE NUMBER / PAPER NO.	5		
CREDIT	2		
TEACHING HOURS	60		
INTERNAL MARKS	25		
PRACTICAL MARKS	25		
TOTAL	50		
EXAM DURATION	4 hrs (P)		

OBJECTIVES:

To enable the students to -

1. Know the basics of computers;
2. To be able to use computers for education, information and research.

SESSION 1: LAB GUIDE

Working with Windows OS

- 1.1 Working with Desktop
- 1.2 Creating Folder
- 1.3 Creating Text Files
- 1.4 Renaming and Deleting the File And Folder
- 1.5 Working with Recycle Bin
- 1.6 Shutting Down

SESSION 2: LAB GUIDE

MS-Word 2007

- 2.1 How to Start MS-Office
- 2.2 Office Button - New, Open, Save, Save As, Print, Print Preview, Close
- 2.3 Home Menu - Clipboard, Font, Paragraph, Style, Editing
- 2.4 Insert Menu - Pages, Tables, Illustrations, Header & Footer
- 2.5 Page Layout - Themes, Page Setup, Page Background, Paragraph

SESSION 3:

LAB GUIDE

MS-Power Point 2007

3.1 How to Start Power Point

3.2 Office Button - New, Open, Save, Save As, Print, Send, Close

3.3 Home Menu - Clipboard, Font, Paragraph, Drawing, Editing 3.4 Insert Menu - Tables, Illustration,

Header & Footer

3.5 Design Menu - Page Setup, Themes, Background,

3.6 Animations Menu - Preview, Animations, Transition

3.7 Slide Show Menu - Start Slide Show, Set Up

SESSION 4: LAB GUIDE

Internet

4.1 Email- Create your E-Mail Account

4.2 Log into E-Mail Account

4.3 Read an E-Mail, Send an E-Mail

4.4 Sending Soft Copy as Attachments

4.5 Download Attachments.

4.2 Open Following Websites.

1. Your College Website

2. BKNMU Website

3. Http www.irctc.com.in

4. Http www.yatra.com

PRACTICAL-

1) Prepare an application for the post of a lecturer in College in MS- Word.

2) Prepare a resume in MS-Word.

3) Prepare your semester-2 time table in MS-Word.

4) Enlist your semester-1 and semester-2 subjects in MS-Word.

5) Prepare a bar chart of your college H.Sc. semester-6 results of last 5 years in MSWord.

6) Prepare a pie chart of your class semester-1 result in MS-Word. (Number of girls and got grade or

class.)

7) Prepare a visiting card for hobby classes/tuition class/ beauty parlour in MS-Word.

8) Prepare an invitation card for inauguration of your shop in MS-Word.

9) Prepare a power point presentation to give information about home science. 10) Prepare a power

point presentation for your hobby classes/ beauty parlour/ boutique.

RECOMMENDED READINGS-

1) Microsoft office 2007 2nd edition by computer world.

2) Bano computer expert 5th edition by computer world.

3) Beginner's guide 2001 by Aptech Limited 4) Computer application & I-1 by C. Jamnadas&

company.

INTERNAL MARKS BIFURCATION		
1	Practical Exam	13
2	COMPONENT	12
	TOTAL	25

PRACTICALS EXAM STYLE OF SEMESTER EXAM		
Question Number	Particulars	Marks
Q.1	Answer the Following Question OR Answer the Following Question	10
Q.2	Answer the Following Question OR Answer the Following Question	10
Q.3	VIVA	05
	TOTAL	25

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COURSE LEVEL	UG
SEMESTER	02
CORSE TYPE	AEC
COURSE TITLE	GUJARATI/HINDI/ENGLISH/SANSKRIT
COURSE NUMBER / PAPER NO.	06
CREDIT	2
TEACHING HOURS	30
INTERNAL MARKS	25
PRACTICAL MARKS	00
EXTERNAL MARKS	25
TOTAL	50
EXAM DURATION	2 hrs + 0 hrs (T+P)

BY BKNMU AS PER NEP

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COURSE LEVEL	UG
SEMESTER	02
CORSE TYPE	VAC
COURSE TITLE	IKS / VAC
COURSE NUMBER / PAPER NO.	07
CREDIT	2
TEACHING HOURS	30
INTERNAL MARKS	25
PRACTICAL MARKS	00
EXTERNAL MARKS	25
TOTAL	50
EXAM DURATION	2 hrs + 0 hrs (T+P)

BY BKNMU AS PER NEP