

SHRI GOVIND GURU UNIVERSITY, GODHRA



Faculty of Arts

Syllabus for

BRS (Honors) (Bachelor of Rural Studies) Semester-2

Choice Based Credit System

BRS (HONORS) SEMESTER 2 SYLLABUS

COURSE NAME : BRS (Honors)													
SEMSTER - 02 / YEAR 2022-23													
Sr. No	Subject Code	Subject Name	Subject Selection	Course Type	Credit	Internal Marks		Written Marks		Total Marks		Total Marks	Paper Duration
						Theory	Practical	Theory	Practical	Theory	Practical		
1	BRSOF201	Various Welfare Scheme for farmers	Compulsory	FND-3	3	12--30	--	28-70	--	40-100	--	40-100	2:30 Hrs
2	BRSOF202	Gujarati-Satyana Prayogo	Any One	FND-4	3	12--30	--	28-70	--	40-100	--	40-100	2:30 Hrs
3	BRSOF203	HINDI - Andheri Nagari		FND-4	3	12--30	--	28-70	--	40-100	--	40-100	2:30 Hrs
4	BRSOC201	Agronomy - Soil Management	Any One	CORE-3	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
5	BRSOC203	Animal Husbandry - Animal Housing And Management		CORE-3	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
6	BRSOC205	Dairy Technology - Introduction of Dairy Technology		CORE-3	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
7	BRSOC207	Rural Extension - Introduction of Extension Methods		CORE-3	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
8	BRSOC209	Organic Farming - Study of Food Processing		CORE-3	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
9	BRSOC202	Agronomy - Study of Food Processing	Any One	CORE-4	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
10	BRSOC204	Animal Husbandry - Animal Housing And Management		CORE-4	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
11	BRSOC206	Dairy Technology - Introduction of Dairy Technology		CORE-4	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
12	BRSOC208	Rural Extension - Introduction of Extension Methods		CORE-4	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
13	BRSOC210	Organic Farming - Study of Food Processing		CORE-4	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
14	BRSOE201	Agronomy - Soil Management	Any One	ELT-4	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
15	BRSOE202	Animal Husbandry - Animal Housing And Management		ELT-4	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
16	BRSOE203	Dairy Technology - Introduction of Dairy Technology		ELT-4	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
17	BRSOE204	Rural Extension - Introduction of Extension Methods		ELT-4	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs

18	BRS0E205	Organic Farming - Study of Food Processing		ELT-4	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
19	BRS0E211	Agriculture Engineering	Any One	ELT-5	3	12--30	--	28-70	--	40-100	--	40-100	2:30 Hrs
20	BRS0E212	History Of Indian Culture		ELT-5	3	12--30	--	28-70	--	40-100	--	40-100	2:30 Hrs
21	BRS0E213	Social Psychology		ELT-5	3	12--30	--	28-70	--	40-100	--	40-100	2:30 Hrs
22	BRS0E214	Rural Development		ELT-5	3	12--30	--	28-70	--	40-100	--	40-100	2:30 Hrs
23	BRS0E221	Rural Finance and Economic Development	Any One	ELT-6	3	12--30	--	28-70	--	40-100	--	40-100	2:30 Hrs
24	BRS0E222	Computer Fundamentals		ELT-6	3	12--30	--	28-70	--	40-100	--	40-100	2:30 Hrs
25	BRS0E223	Indian Value System		ELT-6	3	12--30	--	28-70	--	40-100	--	40-100	2:30 Hrs
26	BRS0E224	Ethics and Values in Business		ELT-6	3	12--30	--	28-70	--	40-100	--	40-100	2:30 Hrs

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	FND-3		Various Welfare Scheme for farmers	03	30	70	--	2.30 Hrs

Title : Various Welfare Scheme for farmers

Objectives :-

- 1) To study about various schemes for farmers welfare**
- 2) To know about ATMA and its various program**
- 3) To know about I-khedut portal**

Theory :

Unit 1. Meaning of farmers welfare schemes and history

1.1 Meaning and explanation of farmer's welfare schemes.

1.2 History of farmer's welfare schemes.

- Before independence**
- After independence**

Unit 2. Various farmers' welfare schemes currently running

2.1 PM Kissan Samman Nidhi

2.2 PM Fasal Bima Yojna (PMFBY)

2.3 Soil Health Card

2.4 PM Krishi Sinchai Yojna

Unit 3. Aatma and its various schemes

3.1 What is ATMA ?

- Objectives - Mission and vision**
- About ATMA - Organization structure.**

3.2 prime function of ATMA

- Research and development**
- Selling technology**

- Helping technology companies
- Dissemination of technology

3.3 PRAKRUTIK KRUSHI ABHIYAN

Unit 4. I-khedut portal

4.1 - What is I-khedut portal

4.2 - Services provided on I-khedut portal.

4.3 - Various schemes on I-khedut portal.

- Agriculture related
- Forestry related
- Animal husbandry related
- Fish Culture related
- Other schemes

Reference Books:

- 1) Samudayik vikas ane krushi vistaran (Gujrati)**
 - Babubhai Avarani
- 2) Gram vikas – Babubhai Avarani**
- 3) Vistaran shikshan bhag 1-2 – Ishvarbhai Patel**
 - www.atma.gujarat.gov.in
 - www.ikhedut.gujarat.gov.in

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	FND - 4		Gujarati	03	30	70	--	2.30 Hrs

Title : કૃતિ અભ્યાસ (ગદ્ય)

કૃતિ : 'સત્યનાં પ્રયોગો' - આત્મકથા લેખક : ગાંધીજી

હેતુઓ : -

- વિદ્યાર્થીઓ ગાંધીજીનાં જીવન - વ્યક્તિત્વથી પરિચિત થાય.
- વિદ્યાર્થીઓ ગાંધીજીનાં મૂલ્યોનું સિંચન કરે.
- વિદ્યાર્થીઓ આત્મકથા સ્વરૂપથી માહિતગાર થાય.

એકમ - ૧

- ૧) આત્મકથાનો અર્થ અને તેનું સ્વરૂપ
- ૨) આત્મકથા અને જીવનચરિત્ર વચ્ચેનો ભેદ
- ૩) આત્મકથાનાં લક્ષણો

એકમ - ૨

- ૧) આત્મકથાની વિકાસરેખા
- ૨) ગાંધીજીની સાહિત્ય સેવા
- ૩) 'સત્યનાં પ્રયોગો' આત્મકથાનું સમગ્રલક્ષી મૂલ્યાંકન

એકમ - ૩

- ૧) ગાંધીજીનું આત્મનિરીક્ષણ
- ૨) ગાંધીજીની ધર્મભાવના
- ૩) બ્રહ્મચર્ય અંગે ગાંધીજીનાં વિચારો

એકમ - ૪

- ૧) ગાંધીજીનું દામ્પત્ય જીવન
- ૨) ઇન્ડિયન ઓપિનિયન
- ૩) ગાંધીજી અને ગોખલેનાં સંબંધો
- ૪) 'સત્યનાં પ્રયોગો' શીર્ષકની યથાર્થતા

સંદર્ભ ગ્રંથ :-

- ૧) સત્યનાં પ્રયોગો અથવા આત્મકથા - મો. ક. ગાંધી
પ્રકાશન : નવજીવન પબ્લિશિંગ હાઉસ - અમદાવાદ
નવજીવન પ્રકાશન - અમદાવાદ
- ૨) સત્યનાં પ્રયોગો અથવા આત્મકથા (ગાંધીજી) - નારાયણ દેસાઈ
ગુજરાત વિશ્વકોશ ટ્રસ્ટ - અમદાવાદ
- ૩) સત્યનાં પ્રયોગો અથવા આત્મકથા - લેખક - ગાંધીજી
એકત્ર ફાઉન્ડેશન - ઓનલાઈન પ્રકાશન

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	FND - 4		HINDI	03	30	70	--	2.30 Hrs

कृति : 'अंधेरी नगरी' – नाटक

लेखक : भारतेन्दु हरिश्चन्द्र

हेतु :

- क) छात्र साहित्य स्वरूप नाटक से परिचित हो ।
 ख) छात्र सामाजिक और राजनीतिक परिस्थितियों को समझ सके ।
 ग) छात्र मूल्यहीन, अमानवीय और अराजक प्रणाली से जागृत हो ।

एकम - १

- १) भारतेन्दु हरिश्चन्द्र : साहित्यिक परिचय
- २) 'अंधेरी नगरी' नाटक की तात्विक समीक्षा
- ३) 'अंधेरी नगरी' नाटक का उद्देश्य

एकम - २

- १) अभिनेता की दृष्टि से 'अंधेरी नगरी' नाटक की समीक्षा
- २) 'अंधेरी नगरी' के नामकरण की सार्थकता
- ३) "अंधेरी नगरी" एक सफल प्रहसन है" समीक्षा

एकम - ३

- १) 'अंधेरी नगरी' नाटक के आधार पर गोवर्धनदास का चरित्र-चित्रण
- २) 'अंधेरी नगरी' नाटक के आधार पर चौपट राजा का चरित्र-चित्रण
- ३) 'अंधेरी नगरी' नाटक के आधार पर महन्तजी का चरित्र-चित्रण

एकम - ४

- १) समकालीन संदर्भ में 'अंधेरी नगरी' की प्रासंगिकता
- २) 'अंधेरी नगरी' के गीतों का औचित्य
- ३) 'अंधेरी नगरी' की भाषा-शैली

संदर्भ ग्रंथ :

१. 'अंधेरी नगरी' वह अन्य लघु नाटक, संपादक - डॉ. कृष्णदेव झारी
२. 'अंधेरी नगरी' - भारतेन्दु हरिश्चन्द्र.
दूरस्थ शिक्षा निदेशालय, महर्षि दयानंद विश्वविद्यालय - रोहतक
३. 'अंधेरी नगरी', भूमिका - डॉ. दयाशंकर

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	CORE - 3		Agronomy	03	30	50	20	2.00 Hrs

Title : Soil Management

Objectives :-

- To study how to manage the soil.
- To understand of soil fertility and productivity.
- To know about soil erosion and its types

Theory :

Unit 1. Soil erosion

- Meaning and definition
- Causes of soil degradation, remedies
- Loss due to soil erosion
- Factors affecting soil erosion
- Types of soil erosion
- Measures to prevent soil erosion

Unit 2. Soil fertility and its affecting factors

- What is soil fertility and soil productivity power
- Relation between productivity power and fertility of soil
- Causes of soil fertility decline
- Measures to maintain soil fertility

Unit 3. Land arrangement under special circumstances

- 3.1 Dry forming
- 3.2 Irrigated agriculture.
- 3.3 Water irrigation
- 3.4 Water drainage
- 3.5 Weed.
- 3.6 Land reform
 - Acidic soil
 - Alkaline soil

Unit 4. ROLE OF AGRICULTURAL ENGINEERING IN LAND MANAGEMENT.

- Understanding of agricultural engineering

- **Role of agricultural engineering in land management**
- **Advantages and disadvantages.**

Practical :

- 1) To study various methods of preventing soil erosion
- 2) To study first-hand the mixed farming practices in your area.
- 3) To study the efforts made to maintain soil fertility in your area.
- 4) To study various stander.

Reference Books :

- 1) Jamin vigyan (Gujrati) - Hiralal Desai
- 2) Jamin vigyan (Gujrati) - pandya, Harys, Maheta
- 3) Jamin vigyan Vyavastha (Gujrati) - Babubhai Avrani
- 4) Fundamenthals of agronomy (Gujrati) - Gopal chandra. De

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	CORE - 3		Animal Husbandry	03	30	50	20	2.00 Hrs

Title : Animal Housing And Management

Objectives :-

- 1) Understand the importance of animal housing
- 2) Understand the importance of animal housing cleanliness in animal husbandry
- 3) To study various types of cowshed or animal house

Theory :

Unit 1. Need and importance of animal house

- Need of animal housing and management
- Role of animal housing in profitable occupation
- Importance of animal house

Unit 2. Structure of animal house

- Design of animal house
- Types of animal house
- Methods of animal house

Unit 3. Departments of animal house

- Various departments of animal house, their need and use

Unit 4. Cleaning and Sanitation of animal house

- Need of cleaning and sanitation of animal house
- Importance of cleaning and sanitation
- Styles or mode of cleaning and sanitation

Practical :

- 1) Study the design of a animal house near you
- 2) Study the different mode of cleaning and sanitation of animal house
- 3) Visit the success animal keeper around you

Reference Books :

- 1) Pashupalan (Gujrati),
- Dr. Arun Dave
- 2) Adhunik Nafakarak Pashupalan
- Dr. P.K. Pradhan and other
- 3) Hand book of Animal Husbandry
I.C.A.R. Delhi
- 4) A Textbook of Animal Husbandry
Dr. G. C. Benarjee

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	CORE - 3		Dairy Technology	03	30	50	20	2.00 Hrs

Title : Introduction of Dairy Technology

Objectives :-

- 1) KNOW THE BASICS OF DAIRY FARMING.
- 2) KNOW THE THINGS TO KEEP IN MIND BEFORE STARTING DAIRY FARMING.
- 3) KNOW AND UNDERSTAND ABOUT ANIMAL SELECTION AND PROFITABLE ANIMAL HUSBANDRY.

Theory :

Unit 1. DAIRY INDUSTRY IN INDIA

- STATUS AND POSSIBILITIES OF DAIRY FARMING.
- IMPORTANCE.
- REQUIREMENT.
- ADVANTAGES.

Unit 2. STARTING A DAIRY FARM

- POINTS TO KEEP IN MIND WHILE STARTING A DAIRY FARM.
- DAIRY FARM PLANNING.
- REQUIREMENTS IN DAIRY FARMING.

Unit 3. SELECTING A DAIRY COW/ANIMAL.

- NEED OF SELECTING OF DAIRY ANIMAL.
- IMPORTANCE OF SELECTION OF DAIRY ANIMAL.
- METHODS OF SELECTION OF DAIRY ANIMAL.

Unit 4. PROFITABLE ANIMAL HUSBANDRY

- WHAT IS PROFITABLE ANIMAL HUSBANDRY.
- COMPARISON BETWEEN TRADITIONAL AND PROFITABLE ANIMAL HUSBANDRY OF MANAGEMENT.
- NEED AND IMPORTANCE FOR PROFITABLE ANIMAL HUSBANDRY.
- FARM LAND USES FOR PROFITABLE A.H.

Practical :

- 1) TO STUDY THE DAIRY ROUTINE OF A DAIRY FARM AND PREPARE A REPORT.
- 2) TO GET INFORMATION ABOUT THE METHODS OF ANIMAL SELECTION.
- 3) VISIT A DAIRY FARM TO LEARN ABOUT THE PRACTICES INVOLVED IN GETTING PROFITABLE RESULTS.

Reference Books :

- 1) PASHU VYEVASTHA (GUJARATI)
- ARUNBHAI D DAVE
- 2) PASHU SANVADHAN (GUJARATI)
- R.K.SUKLA
- 3) VYAVAHARU GOPALAN (GUJARATI)
- K.C.SUKLA
- 4) DAIRY VIGYAN PART-1-2
- GUJRAT PATHY PUSTAK MANDAL
- 5) ADHUNIK NAFKAK PASHUPALAN- BAIF AZISERVE, BARODA
- 6) KRUSHI GOVIDHYA ANK.

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	CORE - 3		Rural Extension	03	30	50	20	2.00 Hrs

Title : Introduction of Extension Methods

Objectives :-

- 1) TO KNOW USEFUL METHODS OF EXTENSION EDUCATION.
- 2) THE STUDENTS BECOME AWARE OF THE PROBLEMS OF THE VILLAGE SOCIETY AND THINK THEIR SOLUTIONS.
- 3) THE STUDENTS KNOW AND UNDERSTAND HOW IS CONVEYED THE KNOWLEDGE, SKILLS AND LEARN HOW TO USE PRINCIPLES AND METHODS USE FOR VILLAGE SOCIETY.
- 4) IN THE CONTEXT OF THE NOTION STUDENTS KNOWS HOW TO SOLVE THE PROBLEMS OF THE VILLAGE AND DEVELOP IT HOLISTICALLY.

Theory :

Unit 1. USEFUL METHODS IN EXTENSION WORK.

- A. PERSONAL DEVELOPMENT METHODS.
- B. EXTENSION METHODS FOR GROUPS.
- C. EXTENSION METHODS FOR MASS COMMUNICATION.

WHICH METHODS ARE MORE EFFECTIVE AND FEASIBLE IN THE CURRENT SOCIETY HOW TO USE THE METHODS IN EXTENSION AND ITS BENEFITS.

Unit 2. AUDIO-VISUAL EQUIPMENTS, SAMPLES etc. IN EXTENSION WORK.

- A. PSYCHOLOGICAL AND PRACTICAL ANALYSIS AND UTILITY OF AUDIO-VISUAL MODELS.
- B. INTRODUCTION TO AUDIO-VISUAL EQUIPMENTS USEFUL FOR EXPANDING SOCIETY SOLUTIONS, ISSUES TO CONSIDER : RADIO, TELEVISION, FILM, TYPE, RECORDER, SAMPLE, CHART, FUNNELGRAPH, EXHIBIT SHEET, BLACKBOARD ETC.

Unit 3. EXTENSION EDUCATION AND PSYCHOLOGY-FACTORS AFFECTING THE EXTENSION LEARNING PROCESS

- LEARNING PRINCIPLES OF LEARNING PROCESS TEACHING EXPERIENCES, CREATION OF EFFECTIVE TEACHING ENVIRONMENT.

Practical :

- 1) STUDY THE STRUCTURE OF THE TALUKA PANCHAYAT'S EXPASION PROGRAM BY VISITING IT.**
- 2) TO STUDY DIFFRENCT EXTENSION TEACHING METHODS AND TOOLS.**
- 3) CREATING AWARENESS THROUGH STREET PLAYS.**

Reference Books :

1. BHARATMA GRAM VIKASH - (VILLAGE DEVELOPMENT IN INDIA)

- BAUBHAI AVRANI, BAKULBHAI AVRANI

(ANODA PUBLICATION- AHMEDABAD)

2.VISTARAN SHIKSHAN (EXTENSION EDUCATION)

- BAUBHAI AVRANI, BAKULBHAI AVRANI

(ANODA PUBLICATION- AHMEDABAD)

3.KRUSHI VISTARAN SHIKSHAN (AGRICULTURAL EXTENSION EDUCATION)

- DR. ISHVARBHAI PATEL

(UNI.GRANTH NIRMAN BOARD – AHMEDABAD)

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	CORE - 3		Organic Farming	03	30	50	20	2.00 Hrs

Title : Study of Food Processing

Objectives :-

- 1) To study various types of post harvest processing.
- 2) To study various storage structure of food-grains
- 3) To study food manufacturing system

Theory :

Unit 1. Post Harvesting Activities

- Harvesting and Threshing
- Cleaning
- Drying and Storage
- Cooling
- Sorting, Grading and Quality Control
- Packaging
- Transportation

Unit 2. Storage

- Preparation for storage
- Types of storage
- Structure of Godown
- Consideration while constructing a godown

Unit 3. Packaging

- Introduction
- Various packaging materials
- Types of packaging
- Considerations while packing

Unit 4. Food Products Manufacturing

- Food Processing Industry
- Degree of food processing

- Various food processing units
 1. Bakery
 2. Grain Mills
 3. Fruit and vegetable processing units

Practical :

- 1) Visit the cold storage near you and study about its various sections.
- 2) Visit and study the structure of food grain godown near you.
- 3) Study about various food packets.
- 4) Visit and study of the bakery near you.

Reference Books :

- 1) Hand book of Agriculture – ICAR, New Delhi
- 2) Milk and Milk Products – Kodogali
- 3) Food and Technology
- 4) Industrial Processing of Fruits and Vegetable
– U.D. Chavan and J.V. Patil (2003)
(Astral International Pvt. Ltd. - New Delhi)
- 5) EIRI Board of Consultants and Engineers, Manufacture of snacks, Namkeen, papads and potato products. – EIRI, New Delhi

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	CORE - 4		Agronomy	03	30	50	20	2.00 Hrs

Title : Study of Food Processing

Objectives :-

- 4) To study various types of post harvest processing.
- 5) To study various storage structure of food-grains
- 6) To study food manufacturing system

Theory :

Unit 1. Post Harvesting Activities

- Harvesting and Threshing
- Cleaning
- Drying and Storage
- Cooling
- Sorting, Grading and Quality Control
- Packaging
- Transportation

Unit 2. Storage

- Preparation for storage
- Types of storage
- Structure of Godown
- Consideration while constructing a godown

Unit 3. Packaging

- Introduction
- Various packaging materials
- Types of packaging
- Considerations while packing

Unit 4. Food Products Manufacturing

- Food Processing Industry
- Degree of food processing

- Various food processing units
 4. Bakery
 5. Grain Mills
 6. Fruit and vegetable processing units

Practical :

- 5) Visit the cold storage near you and study about its various sections.
- 6) Visit and study the structure of food grain godown near you.
- 7) Study about various food packets.
- 8) Visit and study of the bakery near you.

Reference Books :

- 6) Hand book of Agriculture – ICAR, New Delhi
- 7) Milk and Milk Products – Kodogali
- 8) Food and Technology
- 9) Industrial Processing of Fruits and Vegetable
– U.D. Chavan and J.V. Patil (2003)
(Astral International Pvt. Ltd. - New Delhi)
- 10) EIRI Board of Consultants and Engineers, Manufacture of snacks, Namkeen, papads and potato products. – EIRI, New Delhi

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	CORE - 4		Animal Husbandry	03	30	50	20	2.00 Hrs

Title : Animal Housing And Management

Objectives :-

- 4) Understand the importance of animal housing
- 5) Understand the importance of animal housing cleanliness in animal husbandry
- 6) To study various types of cowshed or animal house

Theory :

Unit 1. Need and importance of animal house

- Need of animal housing and management
- Role of animal housing in profitable occupation
- Importance of animal house

Unit 2. Structure of animal house

- Design of animal house
- Types of animal house
- Methods of animal house

Unit 3. Departments of animal house

- Various departments of animal house, their need and use

Unit 4. Cleaning and Sanitation of animal house

- Need of cleaning and sanitation of animal house
- Importance of cleaning and sanitation
- Styles or mode of cleaning and sanitation

Practical :

- 4) Study the design of a animal house near you
- 5) Study the different mode of cleaning and sanitation of animal house
- 6) Visit the success animal keeper around you

Reference Books :

5) Pashupalan (Gujrati),

- Dr. Arun Dave

6) Adhunik Nafakarak Pashupalan

- Dr. P.K. Pradhan and other

7) Hand book of Animal Husbandry

I.C.A.R. Delhi

8) A Textbook of Animal Husbandry

Dr. G. C. Benarjee

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	CORE - 4		Dairy Technology	03	30	50	20	2.00 Hrs

Title : Introduction of Dairy Technology

Objectives :-

- 1) KNOW THE BASICS OF DAIRY FARMING.
- 2) KNOW THE THINGS TO KEEP IN MIND BEFORE STARTING DAIRY FARMING.
- 3) KNOW AND UNDERSTAND ABOUT ANIMAL SELECTION AND PROFITABLE ANIMAL HUSBANDRY.

Theory :

Unit 1. DAIRY INDUSTRY IN INDIA

- STATUS AND POSSIBILITIES OF DAIRY FARMING.
- IMPORTANCE.
- REQUIREMENT.
- ADVANTAGES.

Unit 2. STARTING A DAIRY FARM

- POINTS TO KEEP IN MIND WHILE STARTING A DAIRY FARM.
- DAIRY FARM PLANNING.
- REQUIREMENTS IN DAIRY FARMING.

Unit 3. SELECTING A DAIRY COW/ANIMAL.

- NEED OF SELECTING OF DAIRY ANIMAL.
- IMPORTANCE OF SELECTION OF DAIRY ANIMAL.
- METHODS OF SELECTION OF DAIRY ANIMAL.

Unit 4. PROFITABLE ANIMAL HUSBANDRY

- WHAT IS PROFITABLE ANIMAL HUSBANDRY.
- COMPARISON BETWEEN TRADITIONAL AND PROFITABLE ANIMAL HUSBANDRY OF MANAGEMENT.
- NEED AND IMPORTANCE FOR PROFITABLE ANIMAL HUSBANDRY.
- FARM LAND USES FOR PROFITABLE A.H.

Practical :

- 1) TO STUDY THE DAIRY ROUTINE OF A DAIRY FARM AND PREPARE A REPORT.
- 2) TO GET INFORMATION ABOUT THE METHODS OF ANIMAL SELECTION.
- 3) VISIT A DAIRY FARM TO LEARN ABOUT THE PRACTICES INVOLVED IN GETTING PROFITABLE RESULTS.

Reference Books :

- 1) PASHU VYEVASTHA (GUJARATI)
- ARUNBHAI D DAVE
- 2) PASHU SANVADHAN (GUJARATI)
- R.K.SUKLA
- 3) VYAVAHARU GOPALAN (GUJARATI)
- K.C.SUKLA
- 4) DAIRY VIGYAN PART-1-2
- GUJRAT PATHY PUSTAK MANDAL
- 5) ADHUNIK NAFKAK PASHUPALAN- BAIF AZISERVE, BARODA
- 6) KRUSHI GOVIDHYA ANK.

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	CORE - 4		Rural Extension	03	30	50	20	2.00 Hrs

Title : Introduction of Extension Methods

Objectives :-

- 1) TO KNOW USEFUL METHODS OF EXTENSION EDUCATION.
- 2) THE STUDENTS BECOME AWARE OF THE PROBLEMS OF THE VILLAGE SOCIETY AND THINK THEIR SOLUTIONS.
- 3) THE STUDENTS KNOW AND UNDERSTAND HOW IS CONVEYED THE KNOWLEDGE, SKILLS AND LEARN HOW TO USE PRINCIPLES AND METHODS USE FOR VILLAGE SOCIETY.
- 4) IN THE CONTEXT OF THE NOTION STUDENTS KNOWS HOW TO SOLVE THE PROBLEMS OF THE VILLAGE AND DEVELOP IT HOLISTICALLY.

Theory :

Unit 1. Useful METHODS IN EXTENSION WORK.

- A. PERSONAL DEVELOPMENT METHODS.
- B. EXTENSION METHODS FOR GROUPS.
- C. EXTENSION METHODS FOR MASS COMMUNICATION.

WHICH METHODS ARE MORE EFFECTIVE AND FEASIBLE IN THE CURRENT SOCIETY HOW TO USE THE METHODS IN EXTENSION AND ITS BENEFITS.

Unit 2. AUDIO-VISUAL EQUIPMENTS, SAMPLES etc. IN EXTENSION WORK.

- A. PSYCHOLOGICAL AND PRACTICAL ANALYSIS AND UTILITY OF AUDIO-VISUAL MODELS.
- B. INTRODUCTION TO AUDIO-VISUAL EQUIPMENTS USEFUL FOR EXPANDING SOCIETY SOLUTIONS, ISSUES TO CONSIDER : RADIO, TELEVISION, FILM, TYPE, RECORDER, SAMPLE, CHART, FUNNELGRAPH, EXHIBIT SHEET, BLACKBOARD ETC.

Unit 3. EXTENSION EDUCATION AND PSYCHOLOGY-FACTORS AFFECTING THE EXTENSION LEARNING PROCESS

- LEARNING PRINCIPLES OF LEARNING PROCESS TEARLING EXPERIENCES,CRETION OF EFFECTIVE TEARNING ENVIROMENT.

Practical :

- 1) STUDY THE STRUCTURE OF THE TALUKA PANCHAYAT'S EXPASION PROGRAM BY VISITING IT.**
- 2) TO STUDY DIFFRENT EXTENSION TEACHING METHODS AND TOOLS.**
- 3) CREATING AWARENESS THROUGH STREET PLAYS.**

Reference Books :

- 1. BHARATMA GRAM VIKASH - (VILLAGE DEVELOPMENT IN INDIA)**
- BAUBHAI AVRANI, BAKULBHAI AVRANI
(ANODA PUBLICATION- AHMEDABAD)
- 2.VISTARAN SHIKSHAN (EXTENSION EDUCATION)**
- BAUBHAI AVRANI, BAKULBHAI AVRANI
(ANODA PUBLICATION- AHMEDABAD)
- 3.KRUSHI VISTARAN SHIKSHAN (AGRICULTURAL EXTENSION EDUCATION)**
- DR. ISHVARBHAI PATEL
(UNI.GRANTH NIRMAN BOARD – AHMEDABAD)

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	CORE - 4		Organic Farming	03	30	50	20	2.00 Hrs

Title : Study of Food Processing

Objectives :-

- 7) To study various types of post harvest processing.
- 8) To study various storage structure of food-grains
- 9) To study food manufacturing system

Theory :

Unit 1. Post Harvesting Activities

- Harvesting and Threshing
- Cleaning
- Drying and Storage
- Cooling
- Sorting, Grading and Quality Control
- Packaging
- Transportation

Unit 2. Storage

- Preparation for storage
- Types of storage
- Structure of Godown
- Consideration while constructing a godown

Unit 3. Packaging

- Introduction
- Various packaging materials
- Types of packaging
- Considerations while packaging

Unit 4. Food Products Manufacturing

- Food Processing Industry
- Degree of food processing

- Various food processing units
 - 7. Bakery
 - 8. Grain Mills
 - 9. Fruit and vegetable processing units

Practical :

- 9) Visit the cold storage near you and study about its various sections.
- 10) Visit and study the structure of food grain godown near you.
- 11) Study about various food packets.
- 12) Visit and study of the bakery near you.

Reference Books :

- 11) Hand book of Agriculture – ICAR, New Delhi
- 12) Milk and Milk Products – Kodogali
- 13) Food and Technology
- 14) Industrial Processing of Fruits and Vegetable
 - U.D. Chavan and J.V. Patil (2003)
 - (Astral International Pvt. Ltd. - New Delhi)
- 15) EIRI Board of Consultants and Engineers, Manufacture of snacks, Namkeen, papads and potato products. – EIRI, New Delhi

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	ELT - 4		Agronomy	03	30	50	20	2.00 Hrs

Title : Soil Management

Objectives :-

- To study how to manage the soil.
- To understand of soil fertility and productivity.
- To know about soil erosion and its types

Theory :

Unit 1. Soil erosion

- Meaning and definition
- Causes of soil degradation, remedies
- Loss due to soil erosion
- Factors affecting soil erosion
- Types of soil erosion
- Measures to prevent soil erosion

Unit 2. Soil fertility and its affecting factors

- What is soil fertility and soil productivity power
- Relation between productivity power and fertility of soil
- Causes of soil fertility decline
- Measures to maintain soil fertility

Unit 3. Land arrangement under special circumstances

- 3.1 Dry forming
- 3.2 Irrigated agriculture.
- 3.3 Water irrigation
- 3.4 Water drainage
- 3.5 Weed.
- 3.6 Land reform
 - Acidic soil
 - Alkaline soil

Unit 4. ROLE OF AGRICULTURAL ENGINEERING IN LAND MANAGEMENT.

- Understanding of agricultural engineering
- Role of agricultural engineering in land management

- Advantages and disadvantages.

Practical :

- 1) To study various methods of preventing soil erosion
- 2) To study first-hand the mixed farming practices in your area.
- 3) To study the efforts made to maintain soil fertility in your area.
- 4) To study various stander.

Reference Books :

- 1) Jamin vigyan (Gujrati) - Hiralal Desai
- 2) Jamin vigyan (Gujrati) - pandya, Harys, Maheta
- 3) Jamin vigyan Vyavastha (Gujrati) - Babubhai Avrani
- 4) Fundamenthals of agronomy (Gujrati) - Gopal chandra. De

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	ELT - 4		Animal Husbandry	03	30	50	20	2.00 Hrs

Title : Animal Housing And Management

Objectives :-

- 7) Understand the importance of animal housing
- 8) Understand the importance of animal housing cleanliness in animal husbandry
- 9) To study various types of cowshed or animal house

Theory :

Unit 1. Need and importance of animal house

- Need of animal housing and management
- Role of animal housing in profitable occupation
- Importance of animal house

Unit 2. Structure of animal house

- Design of animal house
- Types of animal house
- Methods of animal house

Unit 3. Departments of animal house

- Various departments of animal house, their need and use

Unit 4. Cleaning and Sanitation of animal house

- Need of cleaning and sanitation of animal house
- Importance of cleaning and sanitation
- Styles or mode of cleaning and sanitation

Practical :

- 7) Study the design of a animal house near you
- 8) Study the different mode of cleaning and sanitation of animal house
- 9) Visit the success animal keeper around you

Reference Books :

9) Pashupalan (Gujrati),

- Dr. Arun Dave

10) Adhunik Nafakarak Pashupalan

- Dr. P.K. Pradhan and other

11) Hand book of Animal Husbandry

I.C.A.R. Delhi

12) A Textbook of Animal Husbandry

Dr. G. C. Benarjee

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	ELT - 4		Dairy Technology	03	30	50	20	2.00 Hrs

Title : Introduction of Dairy Technology

Objectives :-

- 1) KNOW THE BASICS OF DAIRY FARMING.
- 2) KNOW THE THINGS TO KEEP IN MIND BEFORE STARTING DAIRY FARMING.
- 3) KNOW AND UNDERSTAND ABOUT ANIMAL SELECTION AND PROFITABLE ANIMAL HUSBANDRY.

Theory :

Unit 1. DAIRY INDUSTRY IN INDIA

- STATUS AND POSSIBILITIES OF DAIRY FARMING.
- IMPORTANCE.
- REQUIREMENT.
- ADVANTAGES.

Unit 2. STARTING A DAIRY FARM

- POINTS TO KEEP IN MIND WHILE STARTING A DAIRY FARM.
- DAIRY FARM PLANNING.
- REQUIREMENTS IN DAIRY FARMING.

Unit 3. SELECTING A DAIRY COW/ANIMAL.

- NEED OF SELECTING OF DAIRY ANIMAL.
- IMPORTANCE OF SELECTION OF DAIRY ANIMAL.
- METHODS OF SELECTION OF DAIRY ANIMAL.

Unit 4. PROFITABLE ANIMAL HUSBANDRY

- WHAT IS PROFITABLE ANIMAL HUSBANDRY.
- COMPARISON BETWEEN TRADITIONAL AND PROFITABLE ANIMAL HUSBANDRY OF MANAGEMENT.
- NEED AND IMPORTANCE FOR PROFITABLE ANIMAL HUSBANDRY.
- FARM LAND USES FOR PROFITABLE A.H.

Practical :

- 1) TO STUDY THE DAIRY ROUTINE OF A DAIRY FARM AND PREPARE A REPORT.
- 2) TO GET INFORMATION ABOUT THE METHODS OF ANIMAL SELECTION.
- 3) VISIT A DAIRY FARM TO LEARN ABOUT THE PRACTICES INVOLVED IN GETTING PROFITABLE RESULTS.

Reference Books :

- 1) PASHU VYEVASTHA (GUJARATI)
- ARUNBHAI D DAVE
- 2) PASHU SANVADHAN (GUJARATI)
- R.K.SUKLA
- 3) VYAVAHARU GOPALAN (GUJARATI)
- K.C.SUKLA
- 4) DAIRY VIGYAN PART-1-2
- GUJRAT PATHY PUSTAK MANDAL
- 5) ADHUNIK NAFKAK PASHUPALAN- BAIF AZISERVE, BARODA
- 6) KRUSHI GOVIDHYA ANK.

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	ELT - 4		Rural Extension	03	30	50	20	2.00 Hrs

Title : Introduction of Extension Methods

Objectives :-

- 1) TO KNOW USEFUL METHODS OF EXTENSION EDUCATION.
- 2) THE STUDENTS BECOME AWARE OF THE PROBLEMS OF THE VILLAGE SOCIETY AND THINK THEIR SOLUTIONS.
- 3) THE STUDENTS KNOW AND UNDERSTAND HOW IS CONVEYED THE KNOWLEDGE, SKILLS AND LEARN HOW TO USE PRINCIPLES AND METHODS USE FOR VILLAGE SOCIETY.
- 4) IN THE CONTEXT OF THE NOTION STUDENTS KNOWS HOW TO SOLVE THE PROBLEMS OF THE VILLAGE AND DEVELOP IT HOLISTICALLY.

Theory :

Unit 1. Useful METHODS IN EXTENSION WORK.

- A. PERSONAL DEVELOPMENT METHODS.
- B. EXTENSION METHODS FOR GROUPS.
- C. EXTENSION METHODS FOR MASS COMMUNICATION.

WHICH METHODS ARE MORE EFFECTIVE AND FEASIBLE IN THE CURRENT SOCIETY HOW TO USE THE METHODS IN EXTENSION AND ITS BENEFITS.

Unit 2. AUDIO-VISUAL EQUIPMENTS, SAMPLES etc. IN EXTENSION WORK.

- A. PSYCHOLOGICAL AND PRACTICAL ANALYSIS AND UTILITY OF AUDIO-VISUAL MODELS.
- B. INTRODUCTION TO AUDIO-VISUAL EQUIPMENTS USEFUL FOR EXPANDING SOCIETY SOLUTIONS, ISSUES TO CONSIDER : RADIO, TELEVISION, FILM, TYPE, RECORDER, SAMPLE, CHART, FUNNELGRAPH, EXHIBIT SHEET, BLACKBOARD ETC.

Unit 3. EXTENSION EDUCATION AND PSYCHOLOGY-FACTORS AFFECTING THE EXTENSION LEARNING PROCESS

- LEARNING PRINCIPLES OF LEARNING PROCESS TEACHING EXPERIENCES, CREATION OF EFFECTIVE TEACHING ENVIRONMENT.

Practical :

- 1) STUDY THE STRUCTURE OF THE TALUKA PANCHAYAT'S EXPASION PROGRAM BY VISITING IT.**
- 2) TO STUDY DIFFRENT EXTENSION TEACHING METHODS AND TOOLS.**
- 3) CREATING AWARENESS THROUGH STREET PLAYS.**

Reference Books :

1. BHARATMA GRAM VIKASH - (VILLAGE DEVELOPMENT IN INDIA)

- BAUBHAI AVRANI, BAKULBHAI AVRANI

(ANODA PUBLICATION- AHMEDABAD)

2.VISTARAN SHIKSHAN (EXTENSION EDUCATION)

- BAUBHAI AVRANI, BAKULBHAI AVRANI

(ANODA PUBLICATION- AHMEDABAD)

3.KRUSHI VISTARAN SHIKSHAN (AGRICULTURAL EXTENSION EDUCATION)

- DR. ISHVARBHAI PATEL

(UNI.GRANTH NIRMAN BOARD – AHMEDABAD)

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	ELT - 4		Organic Farming	03	30	50	20	2.00 Hrs

Title : Study of Food Processing

Objectives :-

- 10) To study various types of post harvest processing.**
- 11) To study various storage structure of food-grains**
- 12) To study food manufacturing system**

Theory :

Unit 1. Post Harvesting Activities

- **Harvesting and Threshing**
- **Cleaning**
- **Drying and Storage**
- **Cooling**
- **Sorting, Grading and Quality Control**
- **Packaging**
- **Transportation**

Unit 2. Storage

- **Preparation for storage**
- **Types of storage**
- **Structure of Godown**
- **Consideration while constructing a godown**

Unit 3. Packaging

- **Introduction**
- **Various packaging materials**
- **Types of packaging**
- **Considerations while packing**

Unit 4. Food Products Manufacturing

- **Food Processing Industry**

- Degree of food processing
- Various food processing units
 10. Bakery
 11. Grain Mills
 12. Fruit and vegetable processing units

Practical :

- 13) Visit the cold storage near you and study about its various sections.
- 14) Visit and study the structure of food grain godown near you.
- 15) Study about various food packets.
- 16) Visit and study of the bakery near you.

Reference Books :

- 16) Hand book of Agriculture – ICAR, New Delhi
- 17) Milk and Milk Products – Kodogali
- 18) Food and Technology
- 19) Industrial Processing of Fruits and Vegetable
 - U.D. Chavan and J.V. Patil (2003)
 - (Astral International Pvt. Ltd. - New Delhi)
- 20) EIRI Board of Consultants and Engineers, Manufacture of snacks, Namkeen, papads and potato products. – EIRI, New Delhi

-U.D. CHAVAN AND J.V. PATIL (2013)

-ARTAL INTERNATIONAL PVT.LTD, NEW DELHI.

5) UIRI BOARD OF COUSULTANDS AND ENGINEES MANUFATURE OF SNAKS,NAMKEEN,PAPADS ANS POTATO PRODUCTS.EIRI,NEW DELHI.

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	ELT - 5		Agriculture Engineering	03	30	70	--	2.30 Hrs

Title : Agriculture Engineering

Objectives :-

- 1) BE IN DEPTH WITH DIFFERENT SURVEY METHODS.
- 2) FAMILIARIRE WITH DIFFERENT SURVEY TOOLS.

Theory :

Unit 1. SURVEY

- DEFINATION OF SURVEY AND CLASSIFICATION OF SURVEY.
- BASIC PRINCIPLES OF SURVEY.
- METHOD OF MESURING DISTANCES
- MESURING THE DISTANCE BETWEEN TWO PLAES
- MEANING OF DRAWING AND METHODS OF DRAWING
- ERORS IN MESUREMENT
- WAYS OF FORMING RIGHT ANGLES.

Unit 2. CHAIN SURVEY

- COMMON NOUN AND CONVERETIONAL TERURS USED IN CHAIN SURVEY.
- TYPES OF CHAIN
- FIELD NOTEBOOK.
- CONE SURVEY

Unit 3. PLANE TABLE SURTACE SURVEY

- DIFENTION AND INSTUMENTS.
- ADVONTAGES AND DISAELVANTAGES OF BTAT SURVEYING
- WAY OF TLOT SURVEYING.
- COMMON ERROSS IN TLOT SURVEYING

Unit 4. OBSERVATION

- DEFINATION OF OBSERVETION AND COMMON NOUN.
- LEVEL AND ITS CLASSIFICATION-CLASSIFICATION OF OBSERVETION.
- EQUIVLENT LINES AND THEIR CHARACTERISTICS
- LOCATION DETERMINATION OF EQUIVALET LINES.

PRACTICLES :

- 1) MEASURING LAND WITH A CHAIN.
- 2) IDETITYING PLANE INSTRUMENTS.
- 3) TO STUDY DIFFRENT CHAINS.
- 4) TO FIND THE RELETIVE HIGHT OF DIFFERENT PAINTS AN THE GROUNDS.

Reference Books :

- 1) AGRICULTURAL ENGINEERING PART 1-2 (GUJARATI)
 - ANBALAL ISHVARBHAI PATEL
- 2) PRIMARY SURVEY -
 - JAYNTILAL P KHAKHHOR
 - MANILAL M PATEL
- 3) AGRICULTURE ENGINEERING
 - BABUBHAI AVRANI

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	ELT - 5		History Of Indian Culture	03	30	70	--	2.30 Hrs

Title : History Of Indian Culture

Objectives :-

- 1) To know how agriculture starting
- 2) To know the timeline of agriculture development
- 3) To know the agricultural history of India

Theory :

Unit 1. Starting and Development of Agriculture

- Before invented agriculture
- Invention and starting of agriculture
- Development of agriculture
- Role of agriculture in society development in starting stage of agriculture

Unit 2. Time-line of agricultural development

- From 9500 BCE to 1996

Unit 3. History of Indian Agriculture – 1

- Early Indian history
- Vedic period – Post Maha Janpadas Period
- In the later Vedic text
- The Mauryan Empire
- The Greek diplomat Megarthenes

Unit 4. History of Indian agriculture – 2

- Early Common Era – High Middle Ages
- During the Chola Empire
- Late Middle Ages – Early Modern Era
- Agriculture in Colonial – British Era

Reference Books :

- 1) **A History of Agriculture in India vol-1,2,3**
Mahinder Singh randhawa
ICAR – New Delhi
- 2) **Agriculture and Animal Husbandry in India**
M. S. Randhawa
University of Agricultural Sciences, Banglore
- 3) **Lokapakara (For the Benefit of people)**
Valmiki Shreenivasa Ayangarya
Asian Agri – History Foundation
- 4) **Sasya Veda – Ancient Agricultural Science**
Dr. Shri Krishn 'jugnu'
Chowkhamba Krishnadas Academy

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	ELT - 5		Social Psychology	03	30	70	--	2.30 Hrs

Title : Social Psychology

Objectives :-

- STUDENTS BECOME FAMILIAR WITH SOCIAL PSYCHOLOGY.
- STUDENTS WILL BE MADE AWARE OF LEADERSHIP AND THE FUNCTIONS OF A LEADER.
- STUDENTS LEARN TO LEAD.
- STUDENTS BE COME AWARE OF ATTITUDES.
- STUDENTS KNOW ABOUT THE ATTITUDES OF OTHERS.
- STUDENTS BECOME FAMILIAR WITH PROSOCIAL BEHAVIOUR.
- SOCIAL ORIENTED BEHAVIOR SHOULD BE DEVELOPED IN THE STUDENTS.

Theory :

UNIT-1 INTRODUCTION TO SOCIAL PSYCHOLOGY

- DEFINITION OF SOCIAL PSYCHOLOGY
- NATURE OF SOCIAL PSYCHOLOGY
- SCOPE OF SOCIAL PSYCHOLOGY
- THEORETICAL ASPECTS OF SOCIAL PSYCHOLOGY
- RELATION WITH OTHER SCIENCE

UNIT-2 LEADERSHIP

- DEFINITION OF LEADERSHIP
- FACTORS OF LEADERSHIP
- TYPES OF LEADER
- FUNCTIONS OF LEADER
- FIEDLER'S CONTINGENCY MODEL OF LEADERSHIP EFFECTIVENESS

UNIT-3 ATTITUDE

- DEFINITION OF ATTITUDE
- NATURE OF ATTITUDE
- FORMATION OF ATTITUDE
- CHANGING ATTITUDE

(1) PERSUASION USING MESSAGES TO CHANGE ATTITUDE

(2) RESISTANCE TO PERSUASION

UNIT-4 INTERPERSONAL PROCESSES (PROSOCIAL BEHAVIOR)

- DEFINITION OF PROSOCIAL BEHAVIOR
- RESPONDING TO AN EMERGENCY
- HELPRS AND THOSE WHO RECEIVE HELP
- WHY DO SOME PEOPLE HELP ?

Reference Books :

- 1) પરીખ બી. એ. : પ્રગતિ સમાજલક્ષી મનોવિજ્ઞાન, યુનિવર્સિટી ગ્રંથ નિર્માણ બોર્ડ, અમદાવાદ, દ્વિતીય સંશોધન આવૃત્તિ ૧૯૯૦
- 2) પંચાલ ડી. જે. : સમાજલક્ષી મનોવિજ્ઞાન - સૂચિતા પ્રકાશન, અમદાવાદ, પ્રથમ આવૃત્તિ - ૨૦૦૪
- 3) ઢીલા બી. ડી. મનોવિજ્ઞાન UGC NET, G-SET, GPSC, યુનિવર્સિટી ગ્રંથ નિર્માણ બોર્ડ, અમદાવાદ, પ્રથમ આવૃત્તિ ૨૦૧૩
- 4) CHADHA N. K. : SOCIAL PSYCHOLOGY, MACMILLAN, DELHI

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	ELT - 5		Rural Development	03	30	70	--	2.30 Hrs

Title : Rural Development

Objectives :-

THE STUDENTS UNDERSTAND THE IMPORTANCE OF RURAL DEVELOPMENT IN THE INDIAN ECONOMY AND UNDERSTAND THE NEED FOR MANAGEMENT IN RURAL DEVELOPMENT BY GAINING KNOWLEDGE OF THE POLICIES AND PROGRAMS IMPLEMENTED SO THAT THE RURAL DEVELOPMENT PROGRAM CAN BE GIVEN PROPER DIRECTION.

Theory :

Unit 1. CONCEPT AND MEANING OF RURAL DEVELOPMENT, IMPORTANCE OF THE RURAL DEVELOPMENT IN THE STRUCTURE OF INDIAN ECONOMY.

Unit 2. THE FORM OF VILLAGE DEVELOPMENT THE BASIC PRINCIPAL TYPING VILLAGE DEVELOPMENT.

Unit 3. MEASURES OF RURAL DEVELOPMENT AND FACTORS AND POLICIES PROMOTING RURAL DEVELOPMENT.

Unit 4. RURAL DEVELOPMENT PRACTICES AND EXPERIMENTAL POLICIES OF PRE-INDEPENDENCE INDIA.

UNIT-5 STRUCTURE OF RURAL DEVELOPMENT OPERATIONS IN POST-INDEPENDENCE INDIA AND STRATEGIC POLICIES OF RURAL DEVELOPMENT IN MODERN INDIA- RESULTS.

Reference Books :

1. SAMUDAYIK VIKAS AND KRUSHI VISTARAN

- BABUBHAI AVERANI - (COMMUNITY DEVELOPMENT AND AGRICULTURAL EXTENSION)
- ANANDA PUBLICATION - AHMEDABAD

2. BHARTMA GRAM VIKAS. (VILLAGE DEVELOPMENT IN INDIA)

- BABUBHAI AVRANI, BAKULBHAI AVRANI
- ANANDA PUBLICATION- AHMEDABAD.

3. USTORAM SHIKSHAN- (EXTENSION EDUCATION)

- BAUBHAI AVRANI , BAKULBHAI AVRANI
- ANANDA PUBLICATION- AHMEDABAD.

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	ELT - 6		Rural Finance and Economic Development	03	30	70	--	2.30 Hrs

Title : Rural Finance and Economic Development

Objectives :-

Theory :

Unit 1. RURAL INDIA AND FINANCE

- Demographic features ,population, occupation, socio- economic development indicators ,health nutrition and education, characteristics of rural society, caste and power structure
- Micro finance role and importance.
- Role of rural banking.
- Problems of rural branches of banks.

Unit 2. AGRICULTURE AND RURAL FINANCE

- Agriculture loan .types of agriculture loan
- financing rural non farm sector (RNFS) ,importance of RNFS,
- SME finance, definition of SME ,Importance to Indian economy, financing of SME and small enterprise.

Unit 3. AGRICULTURE AND RURAL FINANCE

- Agriculture loan .types of agriculture loan
- financing rural non farm sector (RNFS) ,importance of RNFS,
- SME finance, definition of SME, Importance to Indian economy, financing of SME and small enterprise.

Unit 4. APPROACHES TO RURAL DEVELOPMENT

- intensive agricultural district Programme.
- S.F.D.A. AND M.F.A.L..
- IRDP
- Mahatma Gandhi (NAREGA)
- Role of non-government organizations

Reference Books :

- PATHAK.V.BHARATI, **THE FINANCIAL SYSTEM**,SECOND EDITION
- **RURAL BANKING OPERATIONS** BY TAXMAN PUBLICATION PVT.LTD (INDIAN INSTITUTE OF BANKING AND FINANCE)
- KATAR SINGH (1999),**RURAL DEVELOPMENT**-PRINCIPLES,POLICIES AND MANAGEMENT,SAGE PUBLICATION,NEW DELHI.
- **NABARD REVIEW OF WORKING** OF REGIONAL RURAL BANKS CHANGE,GOI,NEW DELHI.
- **SATYASUDARAM**(1999),RURAL DEVELOPMENT,HIMALAYA PUBLISHING HOUSE,NEW DELHI.
- JOHN MELLER AND GUNAVAT DESAI(1986), **AGRICULTURAL CHANGE AND RURAL POVERTY**,OXFORD UNI PRESS,BOMBAY.
- BHALLA,G.S.(1994), **ECONOMICS LIBERALIZATION AND INDIAN AGRICULTURE**, INSTITUTE FOR STUDIES IN INDUSTRIAL DEVELOPMENT ,NEW DELHI.

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	ELT - 6		Computer Fundamentals	03	30	70	--	2.30 Hrs

Title : Computer Fundamentals

Objectives :-

Design a course with objectives of

- i. Student aware with fundamental knowledge of computer
- ii. Student gets knowledge of basic term and importance of computer so that it can be useful in his further study

Theory :

Unit 1. Introduction of computer

- i. Definitions
- ii. History
- iii. Characteristics of computer (A. speed B. accuracy C. memory capacity D. reliability E. continuous work)

Unit 2. Basic application of computer

(A. scientific research B. business application C. entertainment D. communication E. medicine F. engineering G. Publication H. banks. I. Games J. education K. Accounting L. agriculture)

Unit 3. Component of computer system

- i. Input devices (A. Key board B. mouse C. scanner)
- ii. Central processing unit (CPU) (A. Memory unit B. Control unit (CU) C. Arithmetical and logic unit (ALU)
- iii. Output device

(A) Monitor (VDU, LCD, LED) (B) Printer (types of printer)
(B) plotter (D) Speaker)

Unit 4. Type of memory

- i. Internal memory (primary memory)
- ii. External memory (secondary memory)
(Floppy disk, hard disk, CD, DVD, pen drive, magnetic Tap)

Reference Books :

1. Basic computer Application – HB. Bhadka, Dr N.N .Jani, Dr. G.R kulkarni
2. Computer parichay - Computer jagat
3. Computer fundamentals
4. CCC+ - computer world

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	ELT - 6		Indian Value System	03	30	70	--	2.30 Hrs

Title : Indian Value System

Objectives :

- 1) To know and understand about values
- 2) To know about various religious books.
- 3) To understanding different types of values

Theory :

Unit 1 : What are values?

- Definition and Meaning
- Characteristics
- Importance

Unit 2 : Types of values

- different types of values

Unit 3 : Basic tenets of major religious of India

- Dharma
- Artha
- Kama
- moksha

Unit 4 : Indian religious books - providing values

- Ramayana
- Bhagavad Geeta

Reference books :

1) Universal message of the Bhagavad Geeta (Vol.3)

- Ranganathanand S. (2001)
- Advaita Asram, Kolkatta

2) The Geeta

- Anant Pai

3) Management by values : Towards cultural congruence.

- Charkrabarty S.K. (1991)
- Oxford University Press, New Delhi

4) Leaders who changed the world

- Burus J.M.
- Penguin books India Pvt. Ltd. - New Delhi

Name of Course	Semester	Core/ ELT/ Foundation	Course Cod	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (Honors)	2	ELT - 6		Ethics and Values in Business	03	30	70	--	2.30 Hrs

Title : Ethics and Values in Business

Objectives :-

- 1) To know the culture of Indian business ethics
- 2) To understand about leadership and motivation
- 3) To introduce CSR

Theory :

Unit 1. INTRODUCTION OF INDIAN ETHOS IS BUSINESS.

- Culture and ethos.
- Role and significance of ethos in managerial practices.
- Management

Unit 2. LEADERSHIP AND MOTIVATION

- Models of leadership and motivation in Indian thoughts.
- Human Behaviour :-Indian thoughts, Guna theory, Sanskara theory, karma theory, Nishkarma theory.

Unit 3. INTRODUCTION TO CSR

- Meaning and definition of CSR.
- History and evolution of CSR.
- CSR through tripple bottom line and sustainable business.

Unit 4. LEGAL PROVISIONS OF CSR

- CSR legislation in India & the world.
- SECTION 135 OF COMPANIES ACT 2013.
- Scope for csr activites under schedule vii.

Reference Books :

1. Swami Someswarananda, Indian Wisdom for Management, Ahmedabad, AMA. 2000.
2. S.K. Chakraborty, Ethics in Management-Vedantic Approach, New Delhi, Oxford India Ltd.
3. G. Narayana, "The Responsible Leader- A Journey through Gita", Ahmadabad, AMA 2000.
4. Corporate Social Responsibility: An Ethical Approach - Mark S. Schwartz
5. The World Guide to CSR - Wayne Visser and Nick Tolhurst
6. Innovative CSR by Lelouche, Idowu and Filho
7. Corporate Social Responsibility in India - Sanjay K Agarwal
8. Handbook on Corporate Social Responsibility in India, CII.
9. Handbook of Corporate Sustainability: Frameworks, Strategies and Tools - M. A. Quaddus, Muhammed Abu B. Siddique
10. Growth, Sustainability, and India's Economic Reforms – Srinivasan
11. Corporate Social Responsibility: Concepts and Cases: The Indian - C. V. Baxi, Ajit Prasad
12. Mallin, Christine A., Corporate Governance (Indian Edition), Oxford University Press, New Delhi.
13. Blowfield , Michael, and Alan Murray, Corporate Responsibility, Oxford University Press.
14. Francesco Perrini, Stefano, and Antonio Tencati, Developing Corporate Social Responsibility-A European Perspective, Edward Elgar. University of Delhi.
15. Sharma, J.P., Corporate Governance, Business Ethics & CSR, Ane Books Pvt Ltd, New Delhi.
16. SOCIAL AUDIT TOOLKIT Fourth Edition 2008 17. CSR India – Ready Reckoner Comprehensive guidelines for CSR Activities by IICA.