

# SHRI GOVIND GURU UNIVERSITY GODHRA



## FACULTY OF ARTS

Syllabus for

## BACHELOR OF RURAL STUDY

**(Honors)**

SEMESTER - 3

**COURSE NAME : BRS (Honors)**

**SEMSTER - 03**

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		INTRODUCTIO TO RUAL MARKETING	Compulsory	FND-5	3	12--30	--	28-70	--	40-100	--	40-100	2:30 Hrs
2		Gujarati-	Any One	FND-6	3	12--30	--	28-70	--	40-100	--	40-100	2:30 Hrs
3		HINDI -		FND-7	3	12--30	--	28-70	--	40-100	--	40-100	2:30 Hrs
4		Agronomy – Crop Protection	Any One	CORE-5	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
5		Animal Husbandry – Animal health & nutrient		CORE-5	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
6		Dairy Technology – Animal husbandry For the dairy industry		CORE-5	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
7		Rural Extension – Extension Introduction		CORE-5	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
8		Organic Farming - Nutrient management In organic farming		CORE-5	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
9		Agronomy – Recent Techniques for Higher crop production	Any One	CORE-6	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
10		Animal Husbandry - Animal health & nutrient		CORE-6	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
11		Dairy Technology – Dairy Products		CORE-6	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
12		Rural Extension -- Extension Introduction		CORE-6	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs

13		Organic Farming - Recent Techniques For Higher Crop Production		CORE-6	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
14		Agronomy - Crop Protection	Any One	CORE-7	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
15		Animal Husbandry - Animal health & nutrient		CORE-7	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
16		Dairy Technology – Cooperative Dairy		CORE-7	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
17		Rural Extension -- Extension Introduction		CORE-7	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
18		Organic Farming - Recent Techniques For Higher Crop Production		CORE-7	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
19		Agronomy – International Trends in Crops	Any One	CORE-8	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
20		Animal Husbandry - Animal health & nutrient		CORE-8	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
21		Dairy Technology – cooperative dairy		CORE-8	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
22		Rural Extension -- Extension Introduction		CORE-8	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
23		Organic Farming – International Trends In Crops		CORE-8	3	12--30	--	20--50	08--20	32--80	08--20	40-100	2:00 Hrs
24		Basic Concepts of Rural Management	Any One	ELT-8	3	12--30	--	28-70	--	40-100	--	40-100	2:30 Hrs
25		Personality Development		ELT-8	3	12--30	--	28-70	--	40-100	--	40-100	2:30 Hrs
26		Use Of Latest Communication Techniques		ELT-8	3	12--30	--	28-70	--	40-100	--	40-100	2:30 Hrs
27		An Introduction to Indian Philosophical Systems		ELT-8	3	12--30	--	28-70	--	40-100	--	40-100	2:30 Hrs

Name of Course	Semester	Core/ ELT/ Foundation	Course Code	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (HONORS)	3	FDN - 5		Introduction to Rural Marketing	03	30	70	00	2.30 hrs

## **FDN : 5 Introduction to Rural Marketing**

### **Objectives :**

1. Students should understand the meaning of rural market.
2. Students should understand the difference between rural market and urban market.
3. Students should understand the distribution of rural market.
4. Students should be aware of the efforts made by the governments for the development of rural market.

### **Unit – 1**

- 1.1. Meaning of gramian bazar.
- 1.2. Importance of rural market .
- 1.3. Origin and development of rural market .

### **Unit – 2**

- 2.1. difference between rural market and cooperative market.
- 2.2. contribution of rural market in development of villages in india.
- 2.3. characteristic of Indian rural market.

### **Unit – 3**

- 3.1. concept of market distribution for rural market.
- 3.2. factors analyzing return of rural user.
- 3.3. types of marketing.
- 3.4. classification of the market from various points of view .

### **Unit – 4**

- 4.1. factors driving change in the rural market .
- 4.2. role of haat in development of rural market.
- 4.3. efforts made by the government for the development of rural market.

### **References :**

1. the rural marketing - pradip and kashyap
2. rural marketing management – rajgopal
3. marketing strategies for FMCG products – dr prites shukla
4. marketing practical in india – dr FC. sharma

Name of Course	Semester	Core/ELT/Foundation	Course Code	Course Title	Credits	Internal marks	External marks	Prac./viva marks	Ext. exam time duration
BRS (HONORS)	3	FDN - 6		Gujrati	03	30	70	00	2.30 hrs

### FDN – 6 કૃતિ : ગુજરાતનો નાથ – નવલકથા

લેખક : કનૈયાલાલ માણેકલાલ મુનશી

હેતુ :

- ૧) વિદ્યાર્થીઓ નવલકથા ના સ્વરૂપ વિશે જાણે.
- ૨) વિદ્યાર્થીઓ માતૃભાષાનાં જ્ઞાનથી પરિચિત થશે.
- ૩) વિદ્યાર્થીઓ ગુજરાતનાં ઐતિહાસિક અને રાજકીય માળખાથી પરિચિત થાય

એકમ : ૧ નવલકથાનું સ્વરૂપ – વિકાસ રેખા

એકમ : ૨ કનૈયાલાલ મુનશીનું જીવન – સાહિત્ય સર્જન

એકમ : ૩ “ગુજરાતનો નાથ”નું સમગ્રલક્ષી મૂલ્યાંકન

એકમ : ૪ “ગુજરાતનો નાથ”નું ગદ્ય – ભાષાશૈલી-શીર્ષક-સમાજદર્શન

સંદર્ભ ગ્રંથ :

- ૧) “ગુજરાતનો નાથ” - કનૈયાલાલ મુનશી
- ૨) મુનશી ગ્રંથાવલી – ૧૨ ત્રીજી આવૃત્તિ
- ૩) મુનશી : અભ્યાસ જીવન અને સાહિત્ય સંપા – રતિલાલ નાયક
- ૪) કનૈયાલાલ મુનશી : વ્યક્તિત્વ અને વાઙ્મય – બાબુ દાવલપુર

Name of Course	Semester	Core/ELT/Foundation	Course Code	Course Title	Credits	Internal marks	External marks	Prac./viva marks	Ext. exam time duration
BRS (HONORS)	3	FDN - 7		HINDI	03	30	70	00	2.30 hrs

कृति अभ्यास- पद्य

**FDN – 7 कृति -> 'यशोधरा' खंडकाव्य |**

क व - मैथलीशरण गुप्त |

हेतु -

- 1) छात्र खंडकाव्य के स्वरूप को समझे |
- 2) छात्र भाषा ज्ञान प्राप्त करे |

एकम - 1 -> मैथलीशरण गुप्त का व्यक्तित्व एवं साहित्य का संक्षिप्त परिचय |

एकम - 2 -> 'यशोधरा' खंडकाव्य के रूप में परिचय |

एकम - 3 -> 'यशोधरा' ऐतिहासिक संदर्भ में नारीभावना - कथावस्तु |

एकम - 4 -> 'यशोधरा'- में चरित्र चित्रण |

- 1 यशोधरा
- 2 गौतमबुद्ध
- 3 राहुल

संदर्भ ग्रंथ

'यशोधरा' - मैथलीशरणगुप्त |

Name of Course	Semester	Core/ELT/Foundation	Course Code	Course Title	Credits	Internal marks	External marks	Prac./viva marks	Ext. exam time duration
BRS (HONORS)	3	CORE - 5		AGRONOMY	03	30	50	20	2.00 hrs

## **Core : 5 AGRONOMY - Crop protection**

### **Objectives:**

1. To aware the students about plant diseases
2. To aware the students about weed and weed control.
3. To introduce the history, body structure and life cycle of insects.
4. To aware the students about survival of insects on the earth

### **Theory:**

#### **Unit-1**

- 1.1 Introduction and definition of plant diseases
- 1.2 Causes of plant diseases.
- 1.3 Disease infection in plant and relation between Cause-host-climate
- 1.4 Dispersal of plant diseases

#### **Unit-2**

- 2.1 Introduction to Insects
- 2.2 Structure of insects
- 2.3 Important characteristics of insects for their survival on earth.
- 2.4 Classification of insects on the basis of wing, feeding habits and importance.

#### **Unit-3**

- 3.1 Methods of insect control:
- 3.2 Natural methods of insect control
- 3.3 Artificial methods of insect control

#### **Unit-4**

- 4.1 Definition and classification of weed
- 4.2 De-merits of weed
- 4.3 Uses of weed
- 4.4 Dispersal of Weed
- 4.5 Weed Control

**Practical:**

1. Visit to farmers' field to identify weed and diseases symptoms.
2. Pheromone traps and its use.
3. Formulation of insecticides.

**References:**

1. Insect-pest of crop-S.Pradhan
2. Biology of insect-S.C. Saxena
3. plant Disease (6th edition)-R.S.Singh
4. Principles and procedures of plant protection (3rd Edition)-S.B Chattopadhyay
5. Sampurna Pak Sanrakshan Part-II (Gujarati Edition) - Babubhai Avarani

Name of Course	Semester	Core/ELT/Foundation	Course Code	Course Title	Credits	Internal marks	External marks	Prac./viva marks	Ext. exam time duration
BRS (HONORS)	3	CORE - 5		Animal husbandry	03	30	50	20	2.00 hrs

### **Core : 5 Animal husbandry - ( Animal health & nutrient)**

#### **Objective:**

- (1) To understand fodder situation and production in India, and their availability.
- (2) To know different fodder crops and their cultivation methods and conservation.
- (3) To understand the utility and present situation of pasture land; and how to improve pastures.
- (4) To know processing of inferior roughages and nontraditional cattle feeds.

Theory:

#### **Unit-1**

- 1.1 History of Animal Nutrient.
- 1.2 Terminology of Animal Nutrient
- 1.3 Importance of animal husbandry

#### **Unit-2**

- 2.1 Study of ingredients of cattle feeds and water
- 2.2 importance and functions Carbohydrates and proteins
- 2.3 importance and classification. Types of Concentrates.
- 2.4 Balanced ration: Importance and advantages.

#### **Unit-3**

- 3.1 Lipids, Minerals and Vitamins.
- 3.2 importance and types Feeding requirements for different classes of animals
- 3.3 Milking cow, pregnant cow, drycow, Breeding bull and bullocks.
- 3.4 Feeds supplements and by pass proteins, And Bypass fat.

#### **Unit:4**

- 4.1 Processing of inferior quality roughages.
- 4.2 Grinding, Chafing, Soaking in water, Alkaline treatment and urea treatment, Detail of urea treatment Nontraditional cattle feed and feed uses during draught.
- 4.3 Harmful Substances in animal feeds and there preventive measures

**Practical :**

Preparation of cattle/animal food

Identification of various substances in cattle/animal food Nutrient Assessment & Fortification of cattle/animal food

**Reference Books:-**

1. A text book of animal husbandry - G.C.Banerjee
2. Animal management: introduction animal science - James j. Kiser
3. Domestic animal-Harbans Singh
4. Dairying in India a review-D.N. Kharady
5. Animal Nutrient- B.M.Patel&N.H.Radadia

Name of Course	Semester	Core/ ELT/ Foundation	Course Code	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (HONORS)	3	CORE - 5		Dairy technology	03	30	50	20	2.00 hrs

### **Core: 5 Dairy technology - Animal husbandry for the dairy industry**

#### **Objectives:**

- (1) To know basics of dairy farming.
- (2) To study how to begin a dairy farm and its requirements.
- (3) To understand important points for selection and care of dairy animals.
- (4) To know key aspects of types of farming, milk production, and profitability.
- (5) To study daily routine of a dairy farm.

#### **Theory:**

##### **Unit: 1**

- 1.1 Advantages and constraints of dairy farming in India
- 1.2 Important points to Starting a Dairy Farm
- 1.3 Importance of dairy industry in India

##### **Unit: 2**

- 2.1 Important points for selection of dairy animals
- 2.2 Important points for maintaining continuous higher milk production in dairy farming
- 2.3 Care and management of dairy animals in summer, winter and monsoon Practical

##### **Unit: 3**

- 3.1 Types of Dairy Farming.
- 3.2 Mixed farming.
- 3.3 specialized farming and Community farming

##### **Unit: 4**

- 4.1 Important points for profitable dairy farming
- 4.2 Routine daily operations for dairy farming
- 4.3 A matter of maintaining the quality of milk

**Practical:**

Selection of Animals for Dairy Farming

Study of Various Methods of Dairy Farming

Observation of Routine Day to Day Functioning of Dairy Farming Machines used in Dairy Farming

**References:**

1. PashuVyavastha: Arun D. Dave, University Granth Nirman Board, Ahmedabad.
2. Vyavaharu Gopalan: Krushnalal Shukal, University Granth Nirman Board, Ahmedabad.
3. "Godarshan" A monthly Gujarati Magazine, Dept. of A.H.: Gujarat State, Gandhinagar.
4. A Text Book of Animal Husbandry: G.C. Banerjee;Oxford & IBH Publishing Co. Pvt. Ltd., New Delhi.
5. A Hand book of Animal Science by Amalanduchakraborti
6. Animal Husbandry and Dairy Science by Jagdish Prasad.

Name of Course	Semester	Core/ELT/Foundation	Course Code	Course Title	Credits	Internal marks	External marks	Prac./viva marks	Ext. exam time duration
BRS (HONORS)	3	CORE - 5		Rural extension	03	30	50	20	2.00 hrs

### **Core: 5 Rural extension- Extension Introduction**

#### **Objectives:**

- (1) Understand the relationship between extension work and heart
- (2) Mind knows the expansive agent as a single media
- (3) Know / understand scholarly work as an integral learning process.
- (4) The student prepares himself as an Extension Worker

#### **Unit:- 1**

- 1.1 Worker requirement in extension work.
- 1.2 Importance of worker in extension work
- 1.3 The whole concept of worker in extension work.

#### **Unit-2**

- 2.1 Scope of extension worker for extension work
- 2.2 Functions of extension worker for extension work.
- 2.3 Role of extension worker for extension work.

#### **Unit : 3**

- 3.1 Properties of expansion operator for expansion function
- 3.2 Duties of extension worker for extension work.
- 3.3 Precautions to be taken by extension worker for extension work.

#### **Unit :- 4**

- 4.1 Training for extension worker in extension work.
- 4.2 Training requirement for extension worker in extension work.
- 4.3 Importance and benefits of training for extension worker in extension work

**Practical:**

- (1) To examine the use and effect of news papers
- (2) T. V. To check the impact of the program related to village development by providing
- (3) To check the obstacles in carrying out the expansion work.

**Reference books:**

- (1) Basic elements of extension education - Be patient
- (2) Community development and agricultural extension- Babubhai Awarani
- 3) Agricultural extension education-Babubhai Awarani
- 4) Village Development in India- Babu Bhai Awarani
- 5) Village development-Babu Bhai Awarani

Name of Course	Semester	Core/ELT/Foundation	Course Code	Course Title	Credits	Internal marks	External marks	Prac./viva marks	Ext. exam time duration
BRS (HONORS)	3	CORE - 5		Organic farming	03	30	50	20	2.00 hrs

### **CORE - 5 : Organic farming - nutrient management in organic farming**

#### **Objectives :**

- 1) Will be aware of the essential nutrients in the soil.
- 2) One will know about the fertility of the soil
- 3) Will know about different organic fertilizers
- 4) Learn about the method of making vermi compost and its usefulness.

#### **Theory**

##### **Unit – 1 land : basic organ in crop production .**

- 1.1 soil fertility
- 1.2 make the soil alive
- 1.3 relative wealth of land – nitrogen , phosphorus , potash

##### **unit – 2 organic fertilizers**

- 2.1 a nitrogen – fixing organic fertilizers
  - 1.raizobium 2. Azotobacter 3. Azospirillum
  - 4.bluegreen algae 5.Azola 6. Acetobacter azeotropics
- 2.2 phosphorus soluble / organic fertilizers available
  1. phosphate culture 2.Micoryza
- 2.3 method of using organic fertilizers

##### **Unit – 3 green manure – manner – advantages**

- 3.1 points to keep in mind in crop selection for green manure.
- 3.2 hemp – ekkad – chola – guar – half – from full – split
- 3.3 important points to keep in mind for greening in a scientific manner.

##### **Unit – 4 vermi compost / wermiwash**

- 4.1 method of making
- 4.2 vermi compost typical effect of vermicasting
- 4.3 precautions to be taken in the production of vermicompost.

**Practical -**

- 1) making organic fertilizers
- 2) a method of creating a green neighborhood.
- 3) Vermicompost and vermiwash making.

**References :**

- 1) Sajiv kheti ma poshan vyavastha –
- 2) Jamin vigyan ane vyavastha – dr.babubhai avrani
- 3) Jaivik kheti – dr. chandraprakash sukla

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)	3	CORE - 6		Agronomy	03	30	50	20	2.00 hrs

## CORE – 6 : Agronomy - Recent Techniques for Higher Crop Production

### Objectives:

This course is design to get knowledge and skills required for higher agriculture production. It will enable students to understand the role of different inputs and their scientific use for sustainable agricultural productivity.

### Theory

#### Unit-1 Irrigation Management

- 1.1 Methods of irrigation
- 1.2 Mulching in soil water conservation
- 1.3 Concept of Drip irrigation in higher
- 1.4 Critical stages of irrigation for important crops.

#### Unit-3 Plant protection measures.

- 2.1 Methods of insect control.
- 2.2 Integrated pest management.
- 2.3 Integrated weed management.

#### Unit-3 Integrated nutrient management.

- 3.1 Concept, Meaning and its importance.
- 3.2 Bio- fertilizer.
- 3.3 Organic Manures.
- 3.4 Green Manure.
- 3.5 Inorganic fertilizer.
- 3.6 Application of manures and fertilizer.

#### Unit-4 Bio-technology.

- 4.1 Scope of Bio-Technology In agriculture.
- 4.2 B.T-Seeds.
- 4.3 Concept of biological insect control.

**Practical :**

- 1.To teach students about composting**
- 2. Identifving weeds**
- 3. Sprinkling the seeds**

**Reference:-**

1. Principal and Procedures of plant protection-S. B Chattopadhyay.
2. General Entomology - M.S Mani.
3. Jamin vignan and jamin vyavastha. (Guj.ed.)-Babubhai avarani.
4. Water resource management-Anil Popat.
5. Principal of agriculture and food production-Archna ruhela.
6. Irrigation technology theory & Practice-Y.P. Rao and S.R. Bhakar.

Name of Course	Semester	Core/ELT/Foundation	Course Code	Course Title	Credits	Internal marks	External marks	Prac./viva marks	Ext. exam time duration
BRS (HONORS)	3	CORE - 6		Animal husbandry	03	30	50	20	2.00 hrs

### **CORE – 6 : Animal husbandry ( Animal health & nutrient)**

#### **Objective:**

- (1) To understand fodder situation and production in India, and their availability.
- (2) To know different fodder crops and their cultivation methods and conservation.
- (3) To understand the utility and present situation of pasture land; and how to improve pastures.
- (4) To know processing of inferior roughages and nontraditional cattle feeds.

Theory:

#### **Unit-1**

- 1.1 History of Animal Nutrient.
- 1.2 Terminology of Animal Nutrient.
- 1.3 Importance of animal husbandry

#### **Unit-2**

- 2.1 Study of ingredients of cattle feeds and water
- 2.2 importance and functions Carbohydrates and proteins
- 2.3 importance and classification. Types of Concentrates.
- 2.4 Balanced ration: Importance and advantages.

#### **Unit-3**

- 3.1 Lipids, Minerals and Vitamins.
- 3.2 importance and types Feeding requirements for different classes of animals
- 3.3 Milking cow, pregnant cow, dry cow, Breeding bull and bullocks.
- 3.4 Feeds supplements and by pass proteins, And Bypass fat.

#### **Unit:4**

- 4.1 Processing of inferior quality roughages.
- 4.2 Grinding, Chafing, Soaking in water, alkaline treatment and urea treatment, Detail of urea treatment Nontraditional cattle feed and feed uses during draught.
- 4.3 Harmful Substances in animal feeds and there preventive measures

## **Practical**

Preparation of cattle/animal food

Identification of various substances in cattle/animal food Nutrient Assessment & Fortification of cattle/animal food

Reference Books:-

1. A text book of animal husbandry - G.C.Banerjee
2. Animal management: introduction animal science - James j. Kiser
3. Domestic animal-Harbans Singh
4. Dairying in India a review-D.N. Kharady
5. Animal Nutrient- B.M.Patel&N.H.Radadia

Name of Course	Semester	Core/ELT/Foundation	Course Code	Course Title	Credits	Internal marks	External marks	Prac./viva marks	Ext. exam time duration
BRS (HONORS)	3	CORE - 6		Dairy technology	03	30	50	20	2.00 hrs

## **CORE – 6 : Dairy technology - dairy products**

### **Objective:**

To know basics of dairy product

To study how to begin a dairy product and its requirements

To understand important points for selection and care of dairy products

### **Unit-1**

1.1 Introduction to Fat Rich Dairy Products

1.2 Status of lipids in milk

1.3 Types of Fat Rich Dairy Products

### **Unit-2 Production of Cream**

2.1 Processing of cream

2.2 Consumer cream products

2.3 Quality and preservation of cream

### **Unit – 3 Regulatory aspects of Butter**

3.1 Butter-Making Process

3.2 Quality of butter

3.3 Butter making equipment

3.4 Special butter and related products

### **Unit – 4 Ghee and butter oil**

4.1 Ghee Definition, Standards and composition

4.2 Methods of ghee preparation

4.3 Quality and Grading of ghee

4.4 Packaging and storage of Ghee

4.5 Butter oil

### **Practical:**

1.To visit at dairy

2.Make the butter

3. Making ghee

**Reference books:**

1. Animal husbandry and dairy science – jagdish Prasad
2. Fat rich dairy product technology :4
3. A handbook of animal science – amalanduchakrabort

Name of Course	Semester	Core/ELT/Foundation	Course Code	Course Title	Credits	Internal marks	External marks	Prac./viva marks	Ext. exam time duration
BRS (HONORS)	3	CORE - 6		Rural extension	03	30	50	20	2.00 hrs

### **CORE – 6 : \_Rural extension - \_Extension Introduction**

#### **Objectives:**

- (1) Understand the relationship between extension work and heart
- (2) Mind knows the expansive agent as a single media
- (3) Know / understand scholarly work as an integral learning process.
- (4) The student prepares himself as an Extension Worker

#### **Unit:- 1**

- 1.1 Worker requirement in extension work.
- 1.2 Importance of worker in extension work
- 1.3 The whole concept of worker in extension work.

#### **Unit-2**

- 2.1 Scope of extension worker for extension work
- 2.2 Functions of extension worker for extension work.
- 2.3 Role of extension worker for extension work.

#### **Unit : 3**

- 3.1 Properties of expansion operator for expansion function
- 3.2 Duties of extension worker for extension work.
- 3.3 Precautions to be taken by extension worker for extension work.

#### **Unit :- 4**

- 4.1 Training for extension worker in extension work.
- 4.2 Training requirement for extension worker in extension work.
- 4.3 Importance and benefits of training for extension worker in extension work

**Practical:**

- (1) To examine the use and effect of news papers
- (2) T. V. To check the impact of the program related to village development by providing
- (3) To check the obstacles in carrying out the expansion work.

**Reference books:**

- (1) Basic elements of extension education - Be patient
- (2) Community development and agricultural extension- Babubhai Awarani
- (3) Agricultural extension education-Babubhai Awarani
- (4) Village Development in India- Babu Bhai Awarani
- (5) Village development-Babu Bhai Awarani

Name of Course	Semester	Core/ELT/Foundation	Course Code	Course Title	Credits	Internal marks	External marks	Prac./viva marks	Ext. exam time duration
BRS (HONORS)	3	CORE - 6		Organic farming	03	30	50	20	2.00 hrs

## **CORE – 6 : Organic farming - Recent Techniques for Higher Crop Production**

### **Objectives:**

This course is design to get knowledge and skills required for higher agriculture production. It will enable students to understand the role of different inputs and their scientific use for sustainable agricultural productivity.

### **Unit - 1 Irrigation Management**

- 1.1 Methods of irrigation
- 1.2 Mulching in soil water conservation
- 1.3 Concept of Drip irrigation in higher
- 1.4 Critical stages of irrigation for important crops.

### **Unit - 2 Plant protection measures.**

- 2.1 Methods of insect control.
- 2.2 Integrated pest management.
- 2.3 Integrated weed management.

### **Unit - 3 Integrated nutrient management.**

- 3.1 Concept, Meaning and its importance.
- 3.2 Bio- fertilizer.
- 3.3 Organic Manures.
- 3.4 Green Manure.
- 3.5 Inorganic fertilizer.
- 3.6 Application of manures and fertilizer.

### **Unit - 4 Bio-technology.**

- 4.1 Scope of Bio-Technology In agriculture.
- 4.2 B.T-Seeds.
- 4.3 Concept of biological insect control.

**Practical :**

- 1.To teach students about composting**
- 2. Identifying weeds**
- 3. Sprinkling the seeds**

**Reference:-**

1. Principal and Procedures of plant protection-S. B Chattopadhyay.
2. General Entomology - M.S Mani.
3. Jamin vignan and jamin vyavastha. (Guj.ed.)-Babubhai avarani.
4. Water resource management-Anil Popat.
5. Principal of agriculture and food production-Archna ruhela.
6. Irrigation technology theory & Practice-Y.P. Rao and S.R. Bhakar.

Name of Course	Semester	Core/ ELT/ Foundation	Course Code	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (HONORS)	3	CORE – 7		Agronomy	03	30	50	20	2.00 hrs

## **CORE – 7 Agronomy - Crop protection**

### **Objectives:**

1. To aware the students about plant diseases
2. To aware the students about weed and weed control.
3. To introduce the history, body structure and life cycle of insects.
4. To aware the students about survival of insects on the earth

### **Unit-1**

- 1.1 Introduction and definition of plant diseases
- 1.2 Causes of plant diseases.
- 1.3 Disease infection in plant and relation between Cause-host-climate
- 1.4 Dispersal of plant diseases

### **Unit-2**

- 2.1 Introduction to Insects
- 2.2 Structure of insects
- 2.3 Important characteristics of insects for their survival on earth.
- 2.4 Classification of insects on the basis of wing, feeding habits and importance.

### **Unit-3**

- 3.1 Methods of insect control
- 3.2 Natural methods of insect control
- 3.3 Artificial methods of insect control

### **Unit-4**

- 4.1 Definition and classification of weed
- 4.2 De-merits of weed
- 4.3 Uses of weed
- 4.4 Dispersal of Weed
- 4.5 Weed Control

**Practical:**

1. Visit to farmers' field to identify weed and diseases symptoms.
2. Pheromone traps and its use.
3. Formulation of insecticides.

**References:**

1. Insect-pest of crop-S.Pradhan
2. Biology of insect-S.C. Saxena
3. plant Disease (6th edition)-R.S.Singh
4. Principles and procedures of plant protection (3rd Edition)-S.B Chattopadhyay
5. Sampurna Pak Sanrakshan Part-II (Gujarati Edition) - Babubhai Avarani

Name of Course	Semester	Core/ ELT/ Foundation	Course Code	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (HONORS)	3	CORE – 7		Animal husbandry	03	30	50	20	2.00 hrs

### **CORE – 7 Animal husbandry ( Animal health & nutrient)**

#### **Objective:**

- (1) To understand fodder situation and production in India, and their availability.
- (2) To know different fodder crops and their cultivation methods and conservation.
- (3) To understand the utility and present situation of pasture land; and how to improve pastures.
- (4) To know processing of inferior roughages and nontraditional cattle feeds.

Theory:

#### **Unit-1**

- 1.1 History of Animal Nutrient.
- 1.2 Terminology of Animal Nutrient.
- 1.3 Importance of animal husbandry

#### **Unit-2**

- 2.1 Study of ingredients of cattle feeds and water
- 2.2 importance and functions Carbohydrates and proteins
- 2.3 importance and classification. Types of Concentrates.
- 2.4 Balanced ration: Importance and advantages.

#### **Unit-3**

- 3.1 Lipids, Minerals and Vitamins.
- 3.2 importance and types Feeding requirements for different classes of animals
- 3.3 Milking cow, pregnant cow, dry cow, Breeding bull and bullocks.
- 3.4 Feeds supplements and by pass proteins, And Bypass fat.

#### **Unit:4**

- 4.1 Processing of inferior quality roughages.
- 4.2 Grinding, Chafing, Soaking in water, alkaline treatment and urea treatment, Detail of urea treatment Nontraditional cattle feed and feed uses during draught.
- 4.3 Harmful Substances in animal feeds and there preventive measures

## **Practical**

Preparation of cattle/animal food

Identification of various substances in cattle/animal food Nutrient Assessment & Fortification of cattle/animal food

Reference Books:-

1. A text book of animal husbandry - G.C.Banerjee
2. Animal management: introduction animal science - James j. Kiser
3. Domestic animal-Harbans Singh
4. Dairying in India a review-D.N. Kharady
5. Animal Nutrient- B.M.Patel&N.H.Radadia

Name of Course	Semester	Core/ELT/Foundation	Course Code	Course Title	Credits	Internal marks	External marks	Prac./viva marks	Ext. exam time duration
BRS (HONORS)	3	CORE – 7		Dairy technology	03	30	50	20	2.00 hrs

## **CORE – 7 Dairy technology – Cooperative dairy**

### **Unit-1 Introduction**

- 1.1 history of dairy cooperative in India
- 1.2 Role of dairy cooperatives
- 1.3 dairy cooperative development in India

### **Unit-2 dairy cooperative operations**

- 2.1 bargaining only cooperatives
- 2.2 manufacturing/ processing
- 2.3 cooperative cooperation

### **Unit-3**

- 3.1 Function of a dairy cooperative society (DCS)
- 3.2 function of a milk producers cooperative union
- 3.3 functions of a milk federation

### **Unit-4**

- 4.1 Primary milk producers Cooperative
- 4.2 National Dairy Development Board (NDDB)
- 4.3 dairying in india and emergence of dairy cooperatives

### **Practical :**

- 1. Visit to cooperative dairy**
- 2. Procedure for formation of cooperative society**
- 3. Visit to distract cooperative union**

- References :**
- 1) pachu vyavastha – arun d.dave
  - 2) daiy vigyan – c.h.joshi
  - 3) dudh ne dudhni banavato – b.m.patel and s.h.vyash
  - 4) vyavaharu gopalan – krushnlala shukla

Name of Course	Semester	Core/ELT/Foundation	Course Code	Course Title	Credits	Internal marks	External marks	Prac./viva marks	Ext. exam time duration
BRS (HONORS)	3	CORE – 7		Rural extension	03	30	50	20	2.00 hrs

## **CORE – 7 : Rural extension - Extension Introduction**

### **Objectives:**

- (1) Understand the relationship between extension work and heart
- (2) Mind knows the expansive agent as a single media
  - (a) Know / understand scholarly work as an integral learning process.
- (4) The student prepares himself as an Extension Worker

### **Unit:- 1**

- 1.1 Worker requirement in extension work.
- 1.2 Importance of worker in extension work
- 1.3 The whole concept of worker in extension work.

### **Unit-2**

- 2.1 Scope of extension worker for extension work
- 2.2 Functions of extension worker for extension work.
- 2.3 Role of extension worker for extension work.

### **Unit : 3**

- 3.1 Properties of extension operator for extension function
- 3.2 Duties of extension worker for extension work.
- 3.3 Precautions to be taken by extension worker for extension work.

### **Unit :- 4**

- 4.1 Training for extension worker in extension work.
- 4.2 Training requirement for extension worker in extension work.
- 4.3 Importance and benefits of training for extension worker in extension work

**Practical:**

- (1) To examine the use and effect of news papers
- (2) T. V. To check the impact of the program related to village development by providing
- (3) To check the obstacles in carrying out the expansion work.

**Reference books:**

- (1) Basic elements of extension education - Be patient
- (2) Community development and agricultural extension- Babubhai Awarani
- 3) Agricultural extension education-Babubhai Awarani
- 4) Village Development in India- Babu Bhai Awarani
- 5) Village development-Babu Bhai Awarani

Name of Course	Semester	Core/ELT/Foundation	Course Code	Course Title	Credits	Internal marks	External marks	Prac./viva marks	Ext. exam time duration
BRS (HONORS)	3	CORE – 7		Organic farming	03	30	50	20	2.00 hrs

## **CORE – 7 : Organic farming - Recent Techniques for Higher Crop Production**

### **Objectives:**

This course is design to get knowledge and skills required for higher agriculture production. It will enable students to understand the role of different inputs and their scientific use for sustainable agricultural productivity.

### **Unit - 1 Irrigation Management**

- 1.1 Methods of irrigation
- 1.2 Mulching in soil water conservation
- 1.3 Concept of Drip irrigation in higher
- 1.4 Critical stages of irrigation for important crops.

### **Unit - 2 Plant protection measures.**

- 2.1 Methods of insect control.
- 2.2 Integrated pest management.
- 2.3 Integrated weed management.

### **Unit - 3 Integrated nutrient management.**

- 3.1 Concept, Meaning and its importance.
- 3.2 Bio- fertilizer.
- 3.3 Organic Manures.
- 3.4 Green Manure.
- 3.5 Inorganic fertilizer.
- 3.6 Application of manures and fertilizer.

### **Unit - 4 Bio-technology.**

- 4.1 Scope of Bio-Technology In agriculture.
- 4.2 B.T-Seeds.
- 4.3 Concept of biological insect control.

**Practical :**

- 1.To teach students about composting**
- 2. Identifying weeds**
- 3. Sprinkling the seeds**

**Reference:-**

1. Principal and Procedures of plant protection-S. B Chattopadhyay.
2. General Entomology - M.S Mani.
3. Jamin vignan and jamin vyavastha. (Guj.ed.)-Babubhai avarani.
4. Water resource management-Anil Popat.
5. Principal of agriculture and food production-Archna ruhela.
6. Irrigation technology theory & Practice-Y.P. Rao and S.R. Bhakar.

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)	3	CORE - 8		Agronomy – international trends in crops	03	30	50	20	2.00 hrs

### **CORE - 8 Agronomy – international trends in crops**

Objectives : 1) to aware the students about trends in crops  
 2) to introduce the students about the recent agriculture techniques.  
 3) to aware the students about beekeeping farming.

#### **Theory :**

##### **Unit – 1 :**

- 1.1 Hydroponic cultivation
- 1.2 Different methods of hydroponics
- 1.3 Advantages of hydroponics farming

##### **Unit—2 :**

- 2.1 mushroom cultivation
- 2.2 types of mushrooms
- 2.3 Benefits of mushroom cultivation

**Unit – 3 :** what are the recent innovations in the agricultural field in India.

- 3.1 : internet of things
- 3.2 : agricultural robotics
- 3.3 : artificial intelligence
- 3.4 : drones

##### **Unit – 4 :**

- 4.1 Cultivation of dragon fruit
- 4.2 Different varieties dragon fruit.
- 4.3 benefits of dragon fruit

#### **Practical:**

1. Visit to farmers cultivating dragon fruit.
2. Visit to farmers cultivating mushroom.
3. Visiting farmers using drones.

## **References books**

1. Protected cultivation and smart agriculture – sagar maitra , dinkar j gaikwad ,tanmoy Shankar
2. Hydroponic cultivation for beginners – Charles prise
3. Mushroom cultivation in india – b.c.sharma
4. ICTS for agriculture extension – R.saravanan

Name of Course	Semester	Core/ ELT/ Foundation	Course Code	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (HONORS)	3	CORE - 8		Animal husbandry	03	30	50	20	2.00 hrs

### **CORE – 8 Animal husbandry ( Animal health & nutrient)**

#### **Objective:**

- (1) To understand fodder situation and production in India, and their availability.
- (2) To know different fodder crops and their cultivation methods and conservation.
- (3) To understand the utility and present situation of pasture land; and how to improve pastures.
- (4) To know processing of inferior roughages and nontraditional cattle feeds.

#### **Theory:**

##### **Unit-1**

- 1.1 History of Animal Nutrient.
- 1.2 Terminology of Animal Nutrient.
- 1.3 Importance of animal husbandry

##### **Unit-2**

- 2.1 Study of ingredients of cattle feeds and water
- 2.2 importance and functions Carbohydrates and proteins
- 2.3 importance and classification. Types of Concentrates.
- 2.4 Balanced ration: Importance and advantages.

##### **Unit-3**

- 3.1 Lipids, Minerals and Vitamins.
- 3.2 importance and types Feeding requirements for different classes of animals
- 3.3 Milking cow, pregnant cow, dry cow, Breeding bull and bullocks.
- 3.4 Feeds supplements and by pass proteins, And Bypass fat.

##### **Unit:4**

- 4.1 Processing of inferior quality roughages.
- 4.2 Grinding, Chafing, Soaking in water, alkaline treatment and urea treatment, Detail of urea treatment Nontraditional cattle feed and feed uses during draught.
- 4.3 Harmful Substances in animal feeds and there preventive measures

**Practical :**

Preparation of cattle/animal food

Identification of various substances in cattle/animal food Nutrient Assessment & Fortification of cattle/animal food

**Reference Books:-**

1. A text book of animal husbandry - G.C.Banerjee
2. Animal management: introduction animal science - James j. Kiser
3. Domestic animal-Harbans Singh
4. Dairying in India a review-D.N. Kharady
5. Animal Nutrient- B.M.Patel&N.H.Radadia

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)	3	CORE - 8		Dairy Technology	03	30	50	20	2.00 hrs

## **CORE – 8 Dairy technology – Cooperative dairy**

### **Unit-1 Introduction**

- 1.1 history of dairy cooperative in India
- 1.2 Role of dairy cooperatives
- 1.3 dairy cooperative development in India

### **Unit-2 dairy cooperative operations**

- 2.1 bargaining only cooperatives
- 2.2 manufacturing/ processing
- 2.3 cooperative cooperation

### **Unit-3**

- 3.1 Function of a dairy cooperative society (DCS)
- 3.2 function of a milk producers cooperative union
- 3.3 functions of a milk federation

### **Unit-4**

- 4.1 Primary milk producers Cooperative
- 4.2 National Dairy Development Board (NDDB)
- 4.3 dairying in india and emergence of dairy cooperatives

### **Practical :**

1. Visit to cooperative dairy
2. Procedure for formation of cooperative society
3. Visit to distract cooperative union

- References :**
- 1) pachu vyavastha – arun d.dave
  - 2) daiy vigyan – c.h.joshi
  - 3) dudh ne dudhni banavato – b.m.patel and s.h.vyash
  - 4) vyavaharu gopalan – krushnlala shukla

Name of Course	Semester	Core/ ELT/ Foundation	Course Code	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (HONORS)	3	CORE - 8		Rural extension	03	30	50	20	2.00 hrs

## **CORE - 8 Rural extension - Extension Introduction**

### **Objectives:**

- (1) Understand the relationship between expansion work and heart
- (2) Mind knows the expansive agent as a single media
- (3) Know / understand scholarly work as an integral learning process.
- (4) The student prepares himself as an Extension Worker

### **Unit:- 1**

- 1.1 Worker requirement in extension work.
- 1.2 Importance of worker in extension work
- 1.3 The whole concept of worker in extension work.

### **Unit-2**

- 2.1 Scope of extension worker for extension work
- 2.2 Functions of extension worker for extension work.
- 2.3 Role of extension worker for extension work.

### **Unit : 3**

- 3.1 Properties of expansion operator for expansion function
- 3.2 Duties of extension worker for extension work.
- 3.3 Precautions to be taken by extension worker for extension work.

### **Unit :- 4**

- 4.1 Training for extension worker in extension work.
- 4.2 Training requirement for extension worker in extension work.
- 4.3 Importance and benefits of training for extension worker

### **Practical:**

- (1) To examine the use and effect of news papers
- (2) T. V. To check the impact of the program related to village development by providing
- (3) To check the obstacles in carrying out the expansion work.

**Reference books:**

- 1) Basic elements of extension education - Be patient
- 2) Community development and agricultural extension- Babubhai Awarani
- 3) Agricultural extension education-Babubhai Awarani
- 4) Village Development in India- Babu Bhai Awarani
- 5) Village development-Babu Bhai Awarani

Name of Course	Semester	Core/ ELT/ Foundation	Course Code	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (HONORS)	3	CORE - 8		Organic farming – international trends in crops	03	30	50	20	2.00 hrs

### **CORE – 8 Organic farming – international trends in crops**

**Objectives :** 1) to aware the students about trends in crops  
2) to introduce the students about the recent agriculture techniques.  
3) to aware the students about beekeeping farming.

**Theory :**

**Unit – 1 :**

- 1.1 Hydroponic cultivation
- 1.2 Different methods of hydroponics
- 1.3 Advantages of hydroponics farming

**Unit—2 :**

- 2.1 mushroom cultivation
- 2.2 types of mushrooms
- 2.3 Benefits of mushroom cultivation

**Unit – 3 :** what are the recent innovations in the agricultural field in India.

- 3.1 : internet of things
- 3.2 : agricultural robotics
- 3.3 : artificial intelligence
- 3.4 : drones

**Unit – 4 :**

- 4.1 Cultivation of dragon fruit
- 4.2 Different varieties of dragon fruit
- 4.3 benefits of dragon fruit

Practical:

1. Visit to farmers cultivating dragon fruit.
2. Visit to farmers cultivating mushroom.
3. Visiting farmers using drones.

### **References books**

1. Protected cultivation and smart agriculture – sagar maitra , dinkar j gaikwad ,tanmoy Shankar
2. Hydroponic cultivation for beginners – Charles prise
3. Mushroom cultivation in india – b.c.sharma
4. ICTS for agriculture extension – R.saravanan

Name of Course	Semester	Core/ ELT/ Foundation	Course Code	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (HONORS)	3	ELT - 8		Basic concepts of rural management	03	30	50	20	2.00 hrs

## **ELT – 8 : Basic concepts of rural management**

### **Objectives :**

1. student understand the rural development framework of India.
2. Student understand the need and importance of village development programs appropriate direction can be given.

### **Unit – 1**

- 1.1. introduction and meaning of rural development .
- 1.2. Characteristics of rural development
- 1.3. Importance of rural development.
- 1.4. Schemes and activities of rural development.

### **Unit – 2**

- 2.1. approaches to rural development.
- 2.2. concept of approach of mahatma Gandhi and its importance in present time.
- 2.3. concept of sarvodaya approach and its importance in present time.
- 2.4. bhudan and gramdan approach.

### **Unit – 3**

- 3.1. contribution of voluntary organizations in village development.
- 3.2. participation of people in voluntary organizations in rural development.
- 3.3. problems and suggestions in rural development.
- 3.4. projects for rural development.

### **Unit – 4**

- 4.1. importance of animal husbandry in rural development.
- 4.2. contribution of animal husbandry in rural development.
- 4.3. contribution of animal husbandry to human development.
- 4.4. importance of animal husbandry in rural economy.

### **References :**

1. Rural development – dr.parul joshi – anandprakashan
2. Rural development in india- shri babubhai avrani
3. Rural development in hindi – katar singh – rawat publication
4. Class 10 animal husbandry –babubhai avrani
5. Practical gopalan –k.c.shukal

Name of Course	Semester	Core/ELT/ Foundation	Course Code	Course Title	Credits	Internal marks	External marks	Prac./viva marks	Ext. exam time duration
BRS (HONORS)	3	ELT - 8		Personality Development	03	30	70		2.30 hrs

## **ELT - 8 : PERSONALITY DEVELOPMENT**

### UNIT 1 - INTRODUCTION OF PERSONALITY

- 1.1 DEFINITATION OF PERSONALITY HUMAN
- 1.2 GROWTH AND BEHAVIOUR
- 1.3 LEVELS OF PERSONALITY
- 1.4 THEORIES IN THE STUDY OF PERSONALITY ASSESSMENT

### UNIT 2 - IMPORTANCE OF PERSONALITY

- 2.1 Importance of Personality Development
- 2.2 Communication and effective Public speaking
- 2.3 body language and intra personal communication
- 2.4 Key Points for Personality Development

### UNIT 3 – DEVELOPMENT OF PERSONALITY

- 3.1 TECHNIQUES IN PERSONALITY DEVELOPMENT
- 3.2 SELF CONFIDENCE MOTIVATION
- 3.3 TIME MANAGEMENT AND EFFECTIVE PLANNING
- 3.4 GOAL SETTING

### UNIT 4 – ETIQUETTE OF EFFECTIVE PERSONALITY

- 4.1 STRESS MANAGEMENT
- 4.2 MEDITATION AND CONCENTRATION TECHNIQUES
- 4.3 SELF ACCEPTANCE AND SELF GROWTH
- 4.4 SELF HYPNOTISM
- 4.5 WORK-LIFE BALANCE
- 4.6 SOCIAL ETIQUETTE
- 4.7 PHONE ETIQUETTE
- 4.8 DINING ETIQUETTE
- 4.9 BUSINESS ETIQUETTE
- 4.10 PROFESSIONAL ETIQUETTE TIPS

#### \*Reference Material

1. Personality Development e-book by Alok Dubey
2. Self Confidence AT Work e-book by Kasia Lyczkowska
3. Stress Management in Less Than One Minute e-book by Gerry Larsson, Bodil Wilde-Larsson
4. Personality Development "Kevi Rite" by Raju Andhariya Navbharat publication
5. Personality Development by rajiv K. Mishra, Rupa & Co.

Name of Course	Semester	Core/ ELT/ Foundation	Course Code	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (HONORS)	3	ELT - 8		Use of Latest Communication Techniques	03	30	70		2.30 hrs

## **ELT – 8 : Use of Latest Communication Techniques**

### UNIT-1 FUNDAMENTALS OF COMMUNICATION.

What is communication ? – Introduction –Definition of communication -  
Process of communication – Aims and objectives of communication

### UNIT 2 - COMMUNICATION TECHNIQUES – SOCIAL MEDIA PLATFORM

Advantages of social media platform- disadvantages of social media platform-  
types of social media- Importance of social media-uses of social media

### UNIT 3 – COMMUNICATION TECHNIQUES- Email

What is Email- Advantages of Email- different uses of Email

### UNIT 4 - COMPUTER BASED COMMUNICATION

Advantages of computer technology- Limitation of computer technology-  
importance of computer based communication

### \*REFERENCE BOOKS

01. Business Communication – Urmila Rai & S. M. Rai – Himalaya Publishing House, Mumbai
02. Business Communication – Homai Pradhan & N. S. Pradhan – Himalaya Publishing House, Mumbai
03. Business Communication – Asha Kaul – Prentice-Hall, New Delhi
04. Essentials of Business Communication – Rajendra Pal & J. S. Korlahalli – Sultan Chand & Sons, New Delhi
05. Social Media Listening and Monitoring for Business Applications- N.RAGHVENDRA RAO
06. Business Correspondence and Report Writing – R. C. Sharma & Krishna Mohan – Tata McGraw Hill, New Delhi
07. Business Communication (Principles, Methods and Techniques) – Nirmal Singh – Deep & Deep Publications, New Delhi

08. The Social Media Marketing Book –by O'Reilly Media,Inc 2009
09. A Handbook of Commercial Correspondence – A. Ashley – OUP, New Delhi
10. Word Power Made Easy – Norman Lewis - Goyal Saab, New Delhi
11. Communicative Competence in Business English – Robinson, Netrakanti& Shintre – Orient Longman, Hyderabad
12. Oxford Dictionary of Phrasal Verbs – A. P. Cowie & R. Mackin, OUP, New Delhi
13. A Guide to Business Correspondence and Communication Skills – A.N. Kapoor – Sultan Chand & Sons, New Delhi
14. Business Communication Today – Bovee&Thill – Prentice-Hall, New Delhi
15. Guide to Report Writing (Guide to Business Communication Series) – Netzley& Snow –Prentice-Hall, New Delhi

Name of Course	Semester	Core/ ELT/ Foundation	Course Code	Course Title	Credits	Internal marks	External marks	Prac./ viva marks	Ext. exam time duration
BRS (HONORS)	3	ELT - 8		An introduction to Indian philosophical system	03	30	70		2.30 hrs

### **ELT – 8 : An introduction to Indian philosophical system**

#### **Objectives:**

1. student know the meaning of philosophy.
2. know the indian and western approaches to darshan
3. understand the importance of studying philosophy.
4. students will learn about evolution

#### **Unit- 1**

- 1.1 meaning and definition of philosophy
- 1.2 meaning of darshan according to Indian approach
- 1.3 meaning and explanation of the word philosophy
- 1.4 classification of Indian darshans.

#### **Unit- 2**

- 2.1 introduction of the branches of philosophy
- 2.2 general characteristics of Indian philosophy
- 2.3 philosophy and religion

#### **Unit-3**

- 3.1 philosophy and science
- 3.2 understanding of mechanism and its features-limitations
- 3.3 an understanding of purposiveness

#### **Unit-4**

- 4.1 theory of evolution
- 4.2 origin of organisms and form of life.
- 4.3 The evolution.
- 4.4 Characteristics of evolution
- 4.5 The philosophical consequences of evolution

#### **References:**

- Primary philosophy- yagnic and kortama  
 General view – joshi and upadhyay kiran prakashan  
 Introduction to philosophy- dharmista .m. gohil  
 Introduction to philosophy – dr. chandrika