

Shri Govind Guru University



Bachelor of Rural Studies 4 Years

Course

under NEP-2020.

Effective from June-2023

Syllabus for Semester 1

BRS Credit Structure Semester – 1

| Course Type | Course Code/ Group Code | Name of Course | Theory /Practical | Total Credit | Contact Hours Per week | Exam duration in hours | Component of Marks | | | |
|---|----------------------------|---|-------------------|--------------|------------------------|------------------------|--------------------|--------------------|-----------------|-------|
| | | | | | | | Internal Theory | Internal Practical | External Theory | Total |
| Major Courses DSC (Any One Group) | BR23MJ 1AG1 | Organic & Sustainable Farming in Indian Context | Theory/Practical | 4 | 4 | | 25% | 25% | 50% | 100% |
| | BR23MJ 1AG2 | Introduction to Crop Production 1 | Theory/Practical | 4 | 4 | | 25% | 25% | 50% | 100% |
| | BR23MJ 1HT1 | Organic & Sustainable Farming in Indian Context | Theory/Practical | 4 | 4 | | 25% | 25% | 50% | 100% |
| | BR23MJ 1HT2 | Introduction to Horticulture | Theory/Practical | 4 | 4 | | 25% | 25% | 50% | 100% |
| | BR23MJ 1AD1 | Organic & Sustainable Farming in Indian Context | Theory/Practical | 4 | 4 | | 25% | 25% | 50% | 100% |
| | BR23MJ 1AD2 | Domestic Animals & Cattle Breeds | Theory/Practical | 4 | 4 | | 25% | 25% | 50% | 100% |
| | BR23MJ 1RE1 | Organic & Sustainable Farming in Indian Context | Theory/Practical | 4 | 4 | | 25% | 25% | 50% | 100% |
| | BR23MJ 1RE2 | Introduction to Rural Extension 1 | Theory/Practical | 4 | 4 | | 25% | 25% | 50% | 100% |
| Minor Courses DSE (Any One not related with Major Course) | BR23M N1AG1 | Introduction to Crop Production 1 | Theory/Practical | 4 | 4 | | 25% | 25% | 50% | 100% |
| | BR23M N1HT1 | Introduction to Horticulture | Theory/Practical | 4 | 4 | | 25% | 25% | 50% | 100% |
| | BR23M N1AD1 | Domestic Animals & Cattle Breeds | Theory/Practical | 4 | 4 | | 25% | 25% | 50% | 100% |
| | BR23M N1RE1 | Introduction to Rural Extension 1 | Theory/Practical | 4 | 4 | | 25% | 25% | 50% | 100% |

| | | | | | | | | | | |
|------------------------------------|------------|--|-----------|-----------|-----------|--|------------|------------|------------|------------|
| Multi. Discipline - MDC | BRS23MD101 | Social, Religious & Political History of India | Theory | 4 | 4 | | 50% | | 50% | 100% |
| Ability Enhancement - AEC | BRS23AE101 | English | Theory | 2 | 2 | | 50% | | 50% | 100% |
| Skill Enhancement/Internship - SEC | BRS23SE101 | Field Work | Practical | 2 | 2 | | | 50% | 50% | 100% |
| Value Added - VAC | BRS23VA101 | Yoga, Ayurveda & Holistic Living | Theory | 2 | 2 | | 50% | | 50% | 100% |
| | | | | 22 | 22 | | 175 | 100 | 275 | 550 |

Rules for selection of subjects & general notes.

1. Select any one major group out of following 4.
 - a. Agronomy
 - b. Horticulture
 - c. Animal Husbandry & Dairy Sciences
 - d. Rural Extension
2. Select any one minor group out of following 4, subject to that minor is not selected as major above.
 - a. Agronomy
 - b. Horticulture
 - c. Animal Husbandry & Dairy Sciences
 - d. Rural Extension
3. MDC, SEC, AEC and VAC are compulsory.
4. No separate syllabus for practical are suggested, practical in accordance with theory syllabus should be conducted by the college.

Evolution Pattern for **Major Core** and **Minor Core** Subjects will be as follows.

| Sr. | Details of Evolution | Weightage | Marks |
|------------|--|------------------|--------------|
| 1 | Internal (Theory & Continuous Evolution) | 50% | 25 |
| 2 | Internal (Practical) | 50% | 25 |
| | Total Internal | 100% | 50 |
| 3 | External Semester End (Theory) | 50% | 50 |
| | Total | 100% | 100 |

Question paper pattern of External Semester End (Theory) for **Major Core**, and **Minor Core** Subjects will be as follows.

| Sr. | Details of Evolution | Marks |
|------------|--|--------------|
| 1 | A descriptive question from unit 1 or A descriptive question from unit 1 | 10 |
| 2 | A descriptive question from unit 2 or A descriptive question from unit 2 | 10 |
| 3 | A descriptive question from unit 3 or A descriptive question from unit 3 | 10 |
| 4 | A descriptive question from unit 4 or A descriptive question from unit 4 | 10 |
| 5 | MCQ or very short (1/2 lines) questions from unit 1,2,3 and 4. | 10 |
| | Total | 50 |

Teaching-Learning Methodology for **Major Core**, and **Minor Core subjects** is suggested below. The faculty/institution may improvise the methodology.

| | |
|---|--|
| 1 | Lecture method, audio/video presentation, PPT, Black board work. |
| 2 | Assignments, Presentations, Group Discussions |
| 3 | Practical Work in Labs/Fields/Agency as per the syllabus. No separate practical syllabus is suggested. |
| 4 | Students are expected to maintain record book, journal, and lab work books. |

Evolution Pattern for **MDC** Subjects will be as follows.

| Sr. | Details of Evolution | Weightage | Marks |
|------------|--|------------------|--------------|
| 1 | Internal (Theory & Continuous Evolution) | 50% | 50 |
| 3 | External Semester End (Theory) | 50% | 50 |
| | Total | 100% | 100 |

Question paper pattern of External Semester End (Theory) for **MDC** subjects will be as follows.
Duration of Semester end exam will be 2:30 hours.

| Sr. | Details of Evolution | Marks |
|------------|--|--------------|
| 1 | A descriptive question from unit 1 or A descriptive question from unit 1 | 10 |
| 2 | A descriptive question from unit 2 or A descriptive question from unit 2 | 10 |
| 3 | A descriptive question from unit 3 or A descriptive question from unit 3 | 10 |
| 4 | A descriptive question from unit 4 or A descriptive question from unit 4 | 10 |
| 5 | MCQ or very short (1/2 lines) questions from unit 1,2,3 and 4. | 10 |
| | Total | 50 |

Teaching-Learning Methodology for **MDC subjects** is suggested below. The faculty/institution may improve the methodology.

| | |
|---|--|
| 1 | Lecture method, audio/video presentation, PPT, Black board work. |
| 2 | Assignments, Presentations, Group Discussions |

For AEC and VAC subjects following will be the teaching learning methodology, evolution pattern and the question paper pattern in university term end theory exam.

Teaching-Learning Methodology:

| | |
|---|--|
| 1 | Lecture method, audio/video presentation, PPT, Black board work. |
| 2 | Assignments, Course-work, Viva-Presentation |

Evaluation Pattern

| Sr. | Details of Evolution | Weightage | Marks |
|-----|--|-----------|-------|
| 1 | Internal (Theory & Continuous Evolution) | 50% | 25 |
| 2 | External Semester End (Theory) | 50% | 25 |
| | Total | 100% | 50 |

યુનિવર્સિટી પરીક્ષા પ્રશ્નપત્ર ગુણ ભાર તથા માળખું:

| | |
|--|--------|
| એકમ ૧ માથી એકના અથવામાં એક પ્રશ્ન આવશે | ૫ ગુણ |
| એકમ ૨ માથી એકના અથવામાં એક પ્રશ્ન આવશે | ૫ ગુણ |
| એકમ ૩ માથી એકના અથવામાં એક પ્રશ્ન આવશે | ૫ ગુણ |
| એકમ ૧ થી ૩ થી આવરીને ૧૦ ગુણના વૈકલ્પિક પ્રશ્નો પૂછાશે. | ૧૦ ગુણ |
| કુલ ગુણ | ૨૫ ગુણ |

For **SEC** subjects following will be the teaching learning methodology, evolution pattern, Examination semester And Viva – Voce, Presentation

Teaching-Learning Methodology:

| | |
|---|--|
| 1 | Lecture method, audio/video presentation, PPT, Black board work. |
| 2 | Field Visits, Record Keeping/Journal/Diary, Reporting, Presentation, Group Discussion, Viva-voce |

Evaluation Pattern

| Sr. | Details of Evolution | Weightage | Marks |
|-----|--|-----------|-------|
| 1 | Internal (Field Visits, Journal/Diary) | 50% | 25 |
| 2 | External Semester End (Practical) Presentation, Viva Voce | 50% | 25 |
| | Total | 100% | 50 |

External Semester End (Field Work) for **SEC** Subjects will be as follows. External exam Viva-Presentation Conduce by college

ગુણ ભાર તથા માળખું:

| | |
|---|----|
| સૂચવેલ વિષય અનુસાર કોઈ પણ ૫ ફીલ્ડ વિઝિટ કરેલ હોવી જોઈએ. | ૧૦ |
| દરેક ફીલ્ડ વીઝિટનો યોગ્ય અહેવાલ રજૂ કરેલ હોવો જોઈએ. | ૧૦ |
| નિયમિતતા અને વર્તન | ૫ |
| કુલ આંતરિક ગુણ | ૨૫ |
| પ્રેઝેટેશન / રજૂઆત | ૧૦ |
| પ્રશ્નોત્તરી/ વાઇવા | ૧૦ |
| સમગ્ર મૂલ્યાંકન | ૫ |
| કુલ બાહ્ય ગુણ | ૨૫ |
| કુલ ગુણ | ૫૦ |

| Level U.G | Course Group & Paper no | Uni. Paper code | Course / Paper Title | Credit | Int. Marks | Ext. Marks | Total Marks |
|-----------|-------------------------|-----------------|---|--------|------------|------------|-------------|
| BRS | Major Core | BR23MJ 1AG1 | ORGANIC & SUSTAINABLE FARMING IN INDIAN CONTEXT | 04 | 50% | 50% | 100% |
| BRS | Major Core | BR23MJ 1HT1 | ORGANIC & SUSTAINABLE FARMING IN INDIAN CONTEXT | 04 | 50% | 50% | 100% |
| BRS | Major Core | BR23MJ 1AD1 | ORGANIC & SUSTAINABLE FARMING IN INDIAN CONTEXT | 04 | 50% | 50% | 100% |
| BRS | Major Core | BR23MJ 1RE1 | ORGANIC & SUSTAINABLE FARMING IN INDIAN CONTEXT | 04 | 50% | 50% | 100% |

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| Course Objectives: දේශීය | <ol style="list-style-type: none"> 1. To understand traditional India Farming System. 2. To understand Organic Farming Methods. 3. To have hands on training on practical aspects of Organic Farming 4. To market, value add and modify Organic Farming Methods. |
|-----------------------------|--|

| Unit | Description | Weightage |
|------|--|-----------|
| 1 | Organic farming - concept and definition, its relevance to India and global agriculture and future prospects; Organic production requirements; land and water management - land use, minimum tillage; shelter zones, hedges, pasture management, agroforestry. Indian Farming System: Opportunities & Challenges, Jivamrut types, compositions and usage, Plant Protection in Indian Farming System, Cow Based Farming, Role of Animals and Animal Produces, Vedic Krishi | 20% |
| 2 | Organic farming and water use efficiency; Soil improvement and amendments; soil fertility, nutrient recycling, organic residues, organic manures, composting, soil biota and decomposition of organic residues, earthworms and vermicompost, green manures, biofertilizers, biodynamic and integrated bio nutrient management | 20% |
| 3 | Farming systems, crop rotations, multiple and relay cropping systems, | 20% |

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|---|--|------|
| | Intercropping in relation to maintenance of soil productivity including Horticulture Crops & Agro-Forestry Control of weeds, diseases and insect pest management, biological agents and pheromones, biopesticides, trap crops, bird perches | |
| 4 | Introduction, Definition, goal and concepts, Status of Sustainable farming in India, National Mission for Sustainable Agriculture, Some Important Concepts in Sustainable Farming: Permaculture, Agro-Forestry, Mixed farming, Aquaponics & Hydroponics, Using Renewable Energy Resources, Crop Rotation & Polycultures etc, Soil Conservation | 20% |
| 5 | MCQ or very short (1/2 lines) questions from unit 1,2,3 and 4. | 20% |
| | | 100% |

Suggested Readings

- Lampin N. 1990. Organic Farming. Press Books, Ipswich, UK.
- Palaniappan SP & Anandurai K. 1999. Organic Farming – Theory and Practice. Scientific Publ.
- Rao BV Venkata. 1995. Small Farmer Focused Integrated Rural Development: Socio-economic Environment and Legal Perspective: Publ.3, Parisaraprajna Parishtana, Bangalore.
- Reddy MV. (Ed.). 1995. Soil Organisms and Litter Decomposition in the Tropics. Oxford & IBH.
- Sharma A. 2002. Hand Book of Organic Farming. Agrobios.
- Singh SP. (Ed.) 1994. Technology for Production of Natural Enemies. Bangalore.
- Subba Rao NS. 2002. Soil Microbiology. Oxford & IBH.
- Veeresh GK, Shivashankar K & Suiglachar MA. 1997. Organic Farming and Sustainable Agriculture. Association for Promotion of Organic Farming, Bangalore.
- Prakrutik Kheti, Acharya Devvrat

| Level U.G | Course Group & Paper no | Uni. Paper code | Course / Paper Title | Credit | Int. Marks | Ext. Marks | Total Marks |
|-----------|-------------------------|-----------------|-----------------------------------|--------|------------|------------|-------------|
| BRS | Major Core | BR23MJ1AG2 | Introduction to Crop Production 1 | 04 | 50% | 50% | 100% |
| BRS | Minore Core | BR23MN1AG1 | Introduction to Crop Production 1 | 04 | 50% | 50% | 100% |

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|-----------------------------|---|
| Course Objectives: હેતુઓ | <p>1. To aware the students about plant-soil relationship.</p> <p>2. The students can know about the tillage and tillage management to increase the crop yield.</p> <p>3. To aware the students about sowing methods, fertilizer managements and after crop of the for maximum yield of the crop.</p> <p>4. The students can know the importance of crop rotation and mixed cropping in crop production & better soil management.</p> |
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| Unit | Description | Weightage |
|------|--|-----------|
| 1 | What is plant – soil relationship? Factors affecting plant growth.: Light, Temperature, Relative humidity, Soil aeration, Soil structure texture and soil fertility, Soil porosity and its importance, Soil microorganisms, Soil reactions. Improving Soil & Plant Nutrients: Nutrients-Types & Classification, Chemical Fertilizers, Organic Manure, Compost, Oil Cakes | 20% |
| 2 | Tillage: Definition, Aims, Types, Depth / Number of Tillage Preparation of Soil, Factors effecting Tillage Requirements, Limitation of Tillage, Minimum Tillage | 20% |
| 3 | Seed & its importance., Characteristics of good seeds., Seed treatments before sowing., Methods of sowing., Methods of planting., Sowing / planting distance., Factors determining sowing / planting., Depth of sowing., Seed rate. | 20% |
| 4 | What is crop rotation., Principles of crop rotations., What is mixed cropping., Merits & Demerits of mixed cropping. | 20% |
| 5 | MCQ or very short (1/2 lines) questions from unit 1,2,3 and 4. | 20% |
| | | 100% |

Suggested Readings

1. “Jamin Vyavastha & pak Utpadan (Guj. Ed.) - Dr. A. S. Patel & Dr. R. S. Joshi.
2. “Krushi Pragati” (Gujarati Ed.) – Ishwarbhai Chaturbhai Patel.
3. Fundamentals of Agronomy. - Gopal Chandra De.
4. “Pak Utpadan Vigyan” (Gujarati Ed.) – Babubhai Avarani.
5. “Jamin Vigyan & Jamin Vyavastha” (Gujarati Ed.) – Babubhai Avarani.
6. Modern Techniques of Raising Field crops” – Chhida Singh.

| Level U.G | Course Group & Paper no | Uni. Paper code | Course / Paper Title | Credit | Int. Marks | Ext. Marks | Total Marks |
|-----------|-------------------------|-----------------|------------------------------|--------|------------|------------|-------------|
| BRS | Major Core | BR23MJ1HT2 | Introduction to Horticulture | 04 | 50% | 50% | 100% |
| BRS | Minore Core | BR23MN1HT1 | Introduction to Horticulture | 04 | 50% | 50% | 100% |

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| Course Objectives: હેતુઓ | (i) Introduce students to fundamental principles and concepts of horticulture science. (ii) Impart students to get theoretical as well as practical knowledge of horticulture science so useful in progressive farming. (iii) Introduce students to major horticultural crops of Gujarat (iv) Introduce students with economical aspects of horticulture |
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| Unit | Description | Weightage |
|--|--|-----------|
| Unit: 1 Introduction to Horticulture | (a) Definition (i) Horticulture (ii) Pomology (iii) Olericulture (iv) Floriculture (v) Forest (vi) Garden (vii) Annual flower (viii) Biannual flower (ix) Green House (x) Bio fertilizer (xi) Plant growth regulator (xii) Budding (xiii) layering (xiv) Grafting (xv) Nursery (b) Different climatic zone for fruit crops in India (i) Temperate zone (ii) Tropical zone (iii) Sub-tropical zone | 20% |
| Unit: 2 Plant | (i) Characteristics of plant (ii) Definition, function, and modification of plant part (Brief) (i) Root (ii) Stem (iii) Leaf (iv) Flower (v) Fruit | 20% |
| Unit: 3 Importance of fruits and future scope | (i) Nutritive value (ii) Economical view (iii) waste land utilization (iv) Export to earn foreign currency. (v) Horticulture base industries (vi) Opportunities of employment (vii) Benefit to utilization of different climate and geographical area (viii) Co-operative society and market etc. | 20% |
| Unit: 4 Plant water relationship | Water -(i) Importance of water for plant growth (ii) Quality of water (iii) Different Irrigation method, its merits and limitations. Propagation- (i) Definition (ii) Types of propagation (a) Sexual propagation - Merits and Demerits (b) asexual Propagation - Merits and Demerits. types of asexual propagation | 20% |
| 5 | MCQ or very short (1/2 lines) questions from unit 1,2,3 and 4. | 20% |
| | | 100% |

Suggested Readings

ફળ અને ફૂલ – સરદાર સ્મૃતિ કેન્દ્ર જુનાગઢ

ફળ વિશેષાંક – કૃષિ ગોવિદ્યા, આનંદ એગ્રિકલ્ચરલ યુનિવર્સિટી

શાકભાજી વિજ્ઞાન - સરદાર સ્મૃતિ કેન્દ્ર જુનાગઢ

| Level U.G | Course Group & Paper no | Uni. Paper code | Course (Paper) Course Contents | Credit | Int. Marks | Ext. Marks | Total Marks |
|-----------|-------------------------|-----------------|----------------------------------|--------|------------|------------|-------------|
| BRS | Major Core | BR23MJ1AD2 | Domestic Animals & Cattle Breeds | 04 | 50% | 50% | 100% |
| BRS | Minore Core | BR23MN1AD1 | Domestic Animals & Cattle Breeds | 04 | 50% | 50% | 100% |

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|-----------------------------|---|
| Course Objectives: હેતુઓ | <p>(1) To understand importance of domestic animals in human life.</p> <p>(2) To know the contribution of animals in Indian economy.</p> <p>(3) To know cattle rearing.</p> <p>(4) To identify different breeds of foreign and indigenous breeds of cattle.</p> <p>(5) To understand contribution of buffaloes in milk production and breeds.</p> |
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| Unit | Description | Weightage |
|------|--|-----------|
| 1 | Origin and Domestication of Animals. Zoological Classification of Common domestic animals. | 20% |
| 2 | Contribution of animals in human development and development of rural and National economy, Importance of Animal husbandry Classification of feeds and fodders, care during feeding. | 20% |
| 3 | Classification of Cattle breeds of India and their Characteristics Classification of some foreign Cow breeds and their Characteristics Importance cow breeds and its classification & characteristics Importance buffalo breeds and its classification & characteristics Cross-breeding and a cross-breed cow its advantages and Disadvantages | 20% |
| 4 | Contribution of animal Husbandry business to rural employment & Development Silage making: methods and its advantages – disadvantages. | 20% |
| 5 | MCQ or very short (1/2 lines) questions from unit 1,2,3 and 4. | 20% |
| | | 100% |

Suggested Readings

- (1) "Pashu Vyavastha" (Gujarati) - A.D. Dave & Lakshman Patel
- (2) "Viyavaharu Gopalan" (Gujarati) – Krushnalal Shukal
- (3) "Pashu Sanvardhan" (Gujarati) - R.K. Shukla
- (4) Animal Gynaecology and Veterinary Obstetrics - part 2 and 3 - S.B. Kodagali& B.K. Bhavsar
- (5) A Text book of Animal Husbandry - G.C. Banerjee
- (6) A Hand Book of Animal Husbandry – ICAR

| Level U.G | Course Group & Paper no | Uni. Paper code | Course (Paper) Course Contents | Credit | Int. Marks | Ext. Marks | Total Marks |
|-----------|-------------------------|-----------------|-----------------------------------|--------|------------|------------|-------------|
| BRS | Major Core | BR23MJ1RE2 | Introduction to Rural Extension 1 | 04 | 50% | 50% | 100% |
| BRS | Minore Core | BR23MN1RE1 | Introduction to Rural Extension 1 | 04 | 50% | 50% | 100% |

| | |
|-----------------------------|---|
| Course Objectives: હેતુઓ | વિદ્યાર્થી વિસ્તરણ વિષયનો પરિચય કેળવે છે. વિદ્યાર્થી વિસ્તરણ વિશેના જગત ને ઓળખે છે. સમગ્ર જ્ઞાન અને માનવજાતના વિકાસમા વિસ્તરણ વિષયનું યોગદાન જાણે છે. |
|-----------------------------|---|

| Unit | Description | Weightage |
|------|---|-----------|
| 1 | વૈધિક શિક્ષણ – અર્થ, ખ્યાલો અને જરૂરિયાત અવૈધિક શિક્ષણ – અર્થ, ખ્યાલો અને જરૂરિયાત | 25% |
| 2 | વિસ્તરણ – અર્થ, મહત્વ, કાર્યક્ષેત્ર, અગત્યની પધ્ધતિઓ અને તેની અસરો | 25% |
| 3 | વિસ્તરણ – અગત્યના સિધ્ધાંતો અને ફિલોસોફી | 25% |
| 4 | વિસ્તરણ – ઉદ્દેશો અને ગ્રામ વિકાસમાં વિસ્તરણ શિક્ષણની ભૂમિકા | 25% |
| 5 | MCQ or very short (1/2 lines) questions from unit 1,2,3 and 4. | 20% |
| | | 100% |

Suggested Readings

ગ્રામ વિકાસ – બાબુભાઈ આવરણી

કૃષિ વિસ્તરણ શિક્ષણ – બાબુભાઈ આવરણી

ભારતમા ગ્રામ વિકાસ – બાબુભાઈ આવરણી

વિસ્તરણ શિક્ષણના મૂળ તત્ત્વો – ધીરજ ધકાન્

સામુદાયિક વિકાસ અને કૃષિ વિસ્તરણ – ધીરજ ધકાન્

| Sr. No | Level U.G | Course Group & Paper no | Uni. Paper code | Course / Paper Title | Credit | Int Marks | Ext. Marks | Total Marks |
|--------|-----------|---------------------------|-----------------|--|--------|-----------|------------|-------------|
| 04 | BRS | Multi Disciplinary Course | BRS23MD101 | Social, Religious & Political History of India | 04 | 50% | 50% | 100% |

| | |
|-------------------------------|--|
| Course Objectives: ಹೇತುಗಳಿ | <p>A student upon completion of this course:</p> <p>Knows about past and history of India.</p> <p>Knows about various dynasties which ruled India across ages.</p> <p>Knows about colonization, European influence, and modern adaption in societal culture.</p> <p>Knows about freedom struggle and fundamental concepts thereof.</p> <p>Knows about social, environmental, and religious reforms in India.</p> |
|-------------------------------|--|

| ಯುನಿಟ್ | ವಿಷಯ | ಗುಣಮಟ್ಟ |
|--------|---|---------|
| 1 | Political History of India Harappan & Indian Velly Civilization, Vedic Period, Janapadas, Jain & Buddhism, Major Dynasties (Mauryas, Kushan, Guptas, Pallava, Chaula, Chalukya, Chalukyas of Gujarat, Mughals, Marathas) | 20% |
| 2 | Colonization, Mutiny of 1857, Social Reforms, Struggle for Independence and major events of freedom struggle, Some Important Events in Modern Indian History | 20% |
| 3 | History of Reforms in India Social Reformers: Dayanand Saraswati, Raja Rammohan Roy, Keshav Chandra Sen, Ishwarchandra Vidyasagar, Jyotiba Fule, Dr. B R Ambedkar, Govind Ranade, | 20% |
| 4 | Environmental Reforms: Baba Apte, Sundarlal Bahuguna, Medha Patkar Religious Reformers: Kabir, Swami Vivekanand, Ani Besant, Sri Aurobindo, Ravidas, Govind Guru | 20% |
| 5 | MCQ or very short (1/2 lines) questions from unit 1,2,3 and 4. | 20% |
| | | 100% |

Reference Book:

A Brief History Of India, M K Barnwal

Ancient Social History, Romila Thapar

A History of India Series, Romila Thapar

India through Ages, Jadunath Sarkar

ભારત નો ઇતિહાસ, ડો ડી એમ ભદ્રેસારિયા

Argumentized Indian, Amartya Sen

India's Struggle for Independence, Bipin Chandra

History of Modern India, Bipin Chandra

India after Gandhi, RC Guha

Makers of Modern India, RC Guha

| Sr. No | Level U.G | Course Group & Paper no | Uni. Paper code | Course / Paper Title | Credit | Int Marks | Ext. Marks | Total Marks |
|--------|-----------|-------------------------|-----------------|----------------------|--------|-----------|------------|-------------|
| 05 | BRS | Ability Enhancement AEC | BRS23AE101 | English | 02 | 50% | 50% | 100% |

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| Course Objectives: ಹೇತುಬೋ | <ol style="list-style-type: none"> 1. Learns basic grammar, vocabulary of English Language. 2. Comprehends simple essay, paragraphs, letter and applications. 3. Develop ability to read, comprehend and answer short questions and engage in short talks. 4. Develops reading, writing and speaking skills in English. . |
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| Unit | Description | Weightage |
|------|---|-----------|
| 1 | Stories – The Gift of the Magi, O Henri, Too Dear! Tolstoy, "An Astrologer's Day", R K Narayan | 25% |
| 2 | Comprehension: (a) Paragraph Writing (b) Letter Writing (c) Application Writing | 25% |
| 3 | Grammar: (a) Parts of Speech (b) Active & Passive Voice (c) Direct & Indirect Speech (e) Tenses (f) Spellings (g) Synonyms (h) Antonyms | 25% |
| 4 | MCQ or very short (1/2 lines) questions from unit 1,2 and 3. | 25% |
| | | 100% |

Reference Books:

1. Wren and Martin High school English Grammar
2. Word Power Made Easy
3. Text of:
 - a) The Gift of the Magi, O Henri
 - b) Too Dear! Tolstoy, and
 - c) An Astrologer's Day, R K Narayan

| Sr. No | Level U.G | Course Group & Paper no | Uni. Paper code | Course / Paper Title | Credit | Int Marks | Ext. Marks | Total Marks |
|--------|-----------|-------------------------|-----------------|----------------------|--------|-----------|------------|-------------|
| 06 | BRS | Skill Enhancement SEC | BRS23SE101 | Field Work | 02 | 50% | 50% | 100% |

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| Course Objectives: હેતુઓ | <p>૧) વિદ્યાર્થીઓને ક્ષેત્રની સમસ્યાઓ, નવીન પ્રયોગો, આધુનિક ટેકનોલોજી વિષે જાણકારી મેળવી શકે છે.</p> <p>૨) વિદ્યાર્થીઓમાં કુશળતાઓની ક્ષમતા વિકસાવી શકાય.</p> <p>૩) ગ્રામ કાર્યકાર તરીકે વિકસિત થશે.</p> <p>૪) થીયરી માટે ક્ષેત્રકાર્ય મદદરૂપ થશે.</p> |
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| Unit | Description | Weightage |
|------|--|-----------|
| 1 | <p>૧) એક અઠવાડિયાના ૧ (એક) દિવસ ગ્રામીણ ક્ષેત્રમાં ક્ષેત્રકાર્યમાં જવાનું રહેશે.</p> <p>૨) એક દિવસનું ૫ (પાંચ) કલાક પ્રમાણે ક્ષેત્રકાર્ય કરવાનું રહેશે</p> <p>૩) દરેક વિદ્યાર્થીઓએ કોલેજના અધ્યાપકના માર્ગદર્શન હેઠળ ક્ષેત્રકાર્યના દૈનિક અહેવાલ બનાવવાના રહેશે.</p> <p>૪) સેમેસ્ટરના અંતે સત્રાંત અહેવાલ બનાવવાનો રહેશે.</p> <p>૫) કોલેજ કક્ષાએ ક્ષેત્રકાર્ય સંબંધિત વર્કશોપ, ટ્રેનીંગનું આયોજન કરવાનું રહેશે.</p> <p>૬) ફિલ્ડ વર્કમાં પ્રગતિશીલ ખેડૂતોની મુલાકાત, તેમની ખેતીનો પ્રકાર, આયોજન, આર્થિક ઉપાર્જન વગેરેની માહિતી મેળવવાની રહેશે. ઓર્ગેનીક ખેતી, યોગેશ્વર કૃષિ, ગાય આધારિત કૃષિ, સજીવ ખેતી, રોકડીયા પાક લેતા તથા ટપક સિંચાઈ જેવી આધુનિક પદ્ધતિ અને યંત્રિકીકરણ જેવા વૈજ્ઞાનિક પદ્ધતિથી ખેતી કરતાં ખેડૂતોની કેસ સ્ટડી કરવાની રહેશે.</p> | 100% |

| Sr. No | Level U.G | Course Group & Paper no | Uni. Paper code | Course / Paper Title | Credit | Int Marks | Ext. Marks | Total Marks |
|--------|-----------|-------------------------|-----------------|----------------------------------|--------|-----------|------------|-------------|
| 07 | BRS | Value Added VAC-IKS | BRS23VA101 | Yoga, Ayurveda & Holistic Living | 02 | 50% | 50% | 100% |

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| Course Objectives: હેતુઓ | <ol style="list-style-type: none"> 1. Students learn about yoga and ayurveda heritage. 2. Students learn about practical yoga and applies it in day-to-day life. 3. Students learn about Ayurveda and Naturopathy and can use basic home remedies for common health problems. 4. Students learn to manage life and adapt to personality traits helping to live a better life. |
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| Unit | Description | Weightage |
|-----------------------------|---|-----------|
| 1 Yoga | Patanjali Yogsutra, Overview, Definition, Importance of Yoga Yoga – History, Objectives, General Guidelines Psychological aspects leading to origin of Yoga Common Yoga Practices, Bandha Mudra, Shatkarma/Kriya, Meditation | 25% |
| 2 Ayurveda & Naturopathy | Origin of Ayurveda, Some classic texts in Ayurveda (Charak, Sushrut, Ashtang Hriday, Bhavprakash, etc.) Fundamental Concepts in Naturopathy, Some basic / Home Remedies | 25% |
| 3 Holistic Living | Mind, Body, Soul, Spiritual Wellness Dharma & Traits: Satya, Ahimsa, Asteya, Aparigraha, Brahmacharya, Dan, Daya, Paritrana, Hitvachana, Aspriha, Shraddha, Paricarana, Priyavachana, Harmony with Society, Harmony with Nature | 25% |
| 4 | MCQ or very short (1/2 lines) questions from unit 1,2 and 3. | 25% |
| | | 100% |

References:

Patanjali Yog Sutra, B K Ayangar
Patanjali Yog Sutra, Vivekananda, Swami
The Basic Principles of Yoga, Singh, Singh, Anand
Yog Parichay, M S Molia,
Yogasan ane Swasthay, Acharya Bhagwandev
Ayurved Ni Bhet, Sanjiv Shah
આયુર્વેદ, મિહિર વોરા
ધર ગચ્ચુ ઉપચારો, સરોજ રાહોડ
કુદરતી ઉપચાર, ડો નીલેશ જોશી
Spirituality and Holistic Health, Akbar Husain
Secrets of Naturopathy & Yoga B B Goyal
Naturopathy, Vikas Khatri