



# **Savitribai Phule Pune University**

*(Formerly University of Pune)*

**Three Year B.A. Degree Program in Restructuring pattern**

**(Faculty of Science & Technology)**

**S.Y.B.A. (Restructuring pattern)**

**Choice Based Credit System Syllabus**

**To be implemented from Academic Year 2020-2021**

## **Title of the Course: B.A. (Restructuring pattern)**

### **Preamble:**

BA Restructuring program is designed to serve the requirements of Choice Based Credit System as per the guidelines of University Grants Commission. In the proposed structure, due consideration is given to restructured courses along with the conventional courses (Regular Pattern).

The continuous assessment of Choice Based Credit System will facilitate systematic and through learning towards better understanding of the subject. The well planned curricula from 1<sup>st</sup> year to 3<sup>rd</sup> year comprising of six semesters will definitely motivate the students for inculcating enough skills required for becoming a successful entrepreneur as well as a researcher.

### **Objectives:**

- To foster value based education
- To enrich project based learning and create foundation for research
- To train the students in skill oriented courses
- To increase and improve self confidence, effective communication skills, perfect and proper presentation skill through personality development courses

### **Course Outcomes:**

- Through this pattern, skilled and technical human resources will be made available.
- It will develop self confident and knowledgeable personnel's.
- The course will motivate students in the field of research as well as guide to become a successful entrepreneur.
- It will develop self awareness to enrich decision making ability among the students.
- Personal development will increase the clarity and effectiveness in knowing themselves and their strengths.

## Savitribai Phule Pune University

## Restructuring Pattern

## Structure of Choice Based Credit System for Undergraduate Arts Restructuring Pattern 2019-20

Semester	Core Courses (CC)	Ability Enhancement Compulsory Course (AEC)	Skill Enhancement Course (SEC)	Discipline Specific Elective Courses (DSE)	Generic Elective (GE)	Total Credit
I	Compulsory English (3)					18
	CC – 1 A (3)					
	CC – 2 A (3)					
	CC – 3 A (3)					
	<b>CC – 4 A Component (3)</b>					
	<b>CC – 5 D Component (3)</b>					
II	Compulsory English (3)					18
	CC – 1 B (3)					
	CC – 2 B (3)					
	CC – 3 B (3)					
	<b>CC – 4 A Component (3)</b>					
	<b>CC – 5 D Component (3)</b>					
III	Compulsory English (3)	Environment Science (2)	SEC 1 A(2)	DSE 1 A(3)		22
	MIL 2 (3)		SEC 2 A (2)	DSE 2 A (3)		
	CC – 1 C(2)					
	<b>CC – 2 C Component (3)</b>					
IV	Compulsory English (3)	Environment Science (2)	SEC 1 B (2)	DSE 1 B(3)		24
	MIL 2 (3)		SEC 2 B (2)	DSE 2 B(3)		
	CC – 1 D(2)					
	<b>CC – 2 C Component (3)</b>					
V	<b>‘C’ Component (Case Study) (3)</b>	MIL (2)	SEC 1 C (2)	DSE 1 C(3)	GE 1 A(4)	25
	CC – 1 E(2)	(Language/ Communication)	SEC 2 C (2)	DSE 2 C(3)	GE 2 A (2)	
	<b>CC – 2 C Component (2)</b>					
VI	<b>‘C’ Component (Project) (3)</b>	MIL (2)	SEC 1 D (2)	DSE1 D(3)	GE 1 B(4)	25
	CC – 1 F(2)	(Language/ Communication)	SEC 2 D (2)	DSE 2 D(3)	GE 2 B(2)	
	<b>CC – 2 C Component (2)</b>					
<b>Total Credit</b>	<b>72</b>	<b>08</b>	<b>16</b>	<b>24</b>	<b>12</b>	<b>132</b>

- The Course structure may be change as per the guidelines of Savitribai Phule Pune University, Pune.  
(Examination Pattern = 70 Marks External Exam + 30 Marks Internal Exam. Total = 100 Marks)

**Savitribai Phule Pune University**  
**Restructuring Pattern 2020-21**  
**Art Faculty**  
**Course code of S. Y. B. A. Restructuring pattern**  
**'C' COMPONENT SUBJECT**

Semester	Paper Code	Paper	Core course (Course Code)	Paper Title	Credits
<b>III</b>	RE-C-AE-231	I	<b>CC - 2</b> 'C' Component (Student opt any one subject).	Agricultural Economics - I	03
	RE-C-HM-232	I		Horticulture and Its Management - I	03
	RE-C-MC-233	I		Mass Communication - I	03
<b>IV</b>	RE-C-AE-241	II	<b>CC - 2</b> 'C' Component (Student opt any one subject).	Agricultural Economics - II	03
	RE-C-HM-242	II		Horticulture and Its Management - II	03
	RE-C-MC-243	II		Mass Communication - II	03

- The Course structure may be change as per the guidelines of Savitribai Phule Pune University, Pune.  
**(Examination Pattern = 70 Marks External Exam + 30 Marks Internal Exam. Total = 100 Marks)**

**SEMESTER -III****CC – 2.****Course code - RE-C-AE-231****Paper Title: Agricultural Economics - I (Paper -1)  
(‘C’ Component: Applied Course.) (Credit.3)**

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**Theory Credit: 1.5**

- 1) Indian Agriculture and Inputs (8L)**
- 1.1) Nature and Scope of Agriculture Economics
  - 1.2) Role of Agriculture in Economic Development
  - 1.3) Cropping pattern: Definition, Factor affecting cropping pattern.
  - 1.4) Agricultural Inputs: Seeds, Irrigation, Fertilizers and Pesticides
- 2) Problems of agricultural sector (7 L)**
- 2.1 Agricultural Finance
  - 2.2 Crop Insurance
  - 2.3 Problems of Agricultural Labour
  - 2.4 Agriculture marketing
- 3) Major New issues of Indian Agriculture. (8 L)**
- 3.1 Farmers Suicides
  - 3.2 Natural climates change and Indian Agriculture
  - 3.3 Agro Tourism, Polly House
  - 3.4 Krushi Vidyan Kendra

**Practical Based Activity Credit: 1.5****Practical Based Activity**

- 1) To collect the data under various crops of his own village.
- 2) To collect the data on land use pattern of his own village.
- 3) To study the per hector use of various inputs of five farmers in specific crops.
- 4) To study the sources of water availability in his own village.
- 5) To prepare a list to traditional and modern agricultural equipment in his own village.
- 6) To study the seasonal turnover of fertilizer & pesticides in his village.
- 7) To study the employment pattern of landless laborers.
- 8) Visit to Polly House and Analyses of cost and benefits

9) Visit to agricultural research centre.

10). Visit to Krushi Vidyan Kendra.

*(Students shall prepare the journal for each semester on the basis of the practical's based activity conducted in the semester. Each student shall attend and complete minimum 06 practical based activities are conducted by the college.)*

**Note : Both Theory and Practical based activity examination should be conduct at a same time.**

**References:**

1. Carl Eicher and Lawrence wit (1964), Agriculture in Economic Development, Mc Graw Hill Book Company, New York.
2. Bilgram, S.A.R.(1966), Agricultural Economics, Himalaya Publication House, Delhi.
3. Raj K.N.(1988)Essays in Commercialization of Indian Agriculture, Oxford University Press, New Delhi.
4. Sadhu A.N. & Singh Amarjit (1966.) Fundamentals of Agricultural Economics Himalaya Publication House, Delhi.
5. Soni R.N.(1955), Leading Issues in Agricultural Economics, Arihant Press, Jalandhar.
6. Memoria C.B.Agricultural Problems of India.
7. Lekhi R.K.O, Agricultural Problems in India.
8. Datt and Sundaram (2012), Indian Economy, S.Chand & Company, New Delhi.
9. Mishra & Puri, (2012), Indian Economy, Himalaya Publishing House, New Delhi.
10. Agrawal A.N. & Kundan K.L. Agricultural Problems of India, Vikas Publication House, New Delhi.
11. वाणी निता, (2012), कृषी अर्थशास्त्र, प्रशांत पुब्लिकेशन, जळगाव
12. कविमंडन विजय,(2002), कृषी अर्थशास्त्र, श्री.मंगेश प्रकाशन, नागपूर
13. त्रिपाठी बट्टी,(2008), भारतीय कृषी, किताब महल प्रकाशन, इलाहाबाद
14. अग्रवाल एन.एल.,(2008), भारतीय कृषी अर्थशास्त्र, राजस्थान हिंदी ग्रंथ अकादमी, जयपूर
15. झिमेरे अलका, (2002), कृषी अर्थशास्त्र, सुयश प्रकाशन, पुणे
16. शांता पंडीत, (2002) कृषी अर्थशास्त्र, विद्या प्रकाशन, नागपूर
17. धनश्री महाजन, (2018), कृषी अर्थशास्त्र, श्री विद्या प्रकाशन, औरंगाबाद

**SEMESTER -IV****CC – 2 .****Course code - RE-C-AE-241****Paper Title: Agricultural Economics -II (Paper -II)  
(‘C’ Component: Applied Course.) (Credit.3)**

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**Theory Credit: 1.5**

- 1) **Sustainable Agriculture.** (8 L)
- 1.1 Meaning, scope and Importance of organic farming.
  - 1.2 Organic farming- Meaning, Scope and Importance
  - 1.3 Agriculture for sustainability.
  - 1.4 Organic farming & sustainability.
- 2) **Agriculture and Allied Activities: Importance and Problems.** (8 L)
- 2.1 Dairy farming.
  - 2.2 Poultry farming.
  - 2.3 Sheep / Goat farming.
  - 2.4 Fisheries.
  - 2.5 Floriculture.
- 3) **Indian Agriculture and Information Technology.** (7 L)
- 3.1 Role of Information Technology in Agriculture
  - 3.2 Information and communications technology in Indian agriculture
  - 3.3 Kisan calls centers

**Credit: 1.5 (Practical Based Activity)****Practical Based Activity**

- 1. Visit to organic farming at nearby own village.
- 2. A comparative economics of organic & inorganic farming.
- 3. Visit to Dairy
- 4. Visit to Poultry
- 5. Visit to Floriculture
- 6. Visit to Sheep & Goat Keeping.
- 7. Visit to Krishi vidyapith.
- 8. To get information about agriculture from internet.
- 9. To get information about agriculture from Mobile App

*(Students shall prepare the journal for each semester on the basis of the Practical based activity conducted in the semester. Each student shall attend and complete minimum 06 Practical based activities are conducted by the college.)*

**Note : Both Theory and Practical based activity examination should be conduct at a same time.**

**References:**

1. Carl Eicher and Lawrence wit (1964), Agriculture in Economic Development, Mc Graw Hill Book Company, New York.
2. Bilgram, S.A.R.(1966), Agricultural Economics, Himalaya Publication House, Delhi.
3. Raj K.N.(1988)Essays in Commercialization of Indian Agriculture, Oxford University Press, New Delhi.
4. Sadhu A.N. & Singh Amarjit (1966.) Fundamentals of Agricultural Economics Himalaya Publication House, Delhi.
5. Soni R.N.(1955), Leading Issues in Agricultural Economics, Arihant Press, Jalandhar.
6. Memoria C.B.Agricultural Problems of India.
7. Lekhi R.K.O, Agricultural Problems in India.
8. Datt and Sundaram (2012), Indian Economy, S.Chand & Company, New Delhi.
9. Mishra & Puri, (2012), Indian Economy, Himalaya Publishing House, New Delhi.
10. Agrawal A.N. & Kundan K.L. Agricultural Problems of India, Vikas Publication House, New Delhi.
11. वाणी निता, (2012), कृषी अर्थशास्त्र, प्रशांत पुब्लिकेशन, जळगाव
12. कविमंडन विजय,(2002), कृषी अर्थशास्त्र, श्री.मंगेश प्रकाशन, नागपूर
13. त्रिपाठी बट्टी,(2008), भारतीय कृषी, किताब महल प्रकाशन, इलाहाबाद
14. अग्रवाल एन.एल.,(2008), भारतीय कृषी अर्थशास्त्र, राजस्थान हिंदी ग्रंथ अकादमी, जयपूर
15. झिमेरे अलका, (2002), कृषी अर्थशास्त्र, सुयश प्रकाशन, पुणे
16. शांता पंडीत, (2002) कृषी अर्थशास्त्र, विद्या प्रकाशन, नागपूर
17. धनश्री महाजन, (2018), कृषी अर्थशास्त्र, श्री विद्या प्रकाशन, औरंगाबाद



**SEMESTER -III****CC – 2 .****Course code - RE-C-HM-232****Paper Title: Horticulture & Its Management - I (Paper -1)****(‘C’ Component: Applied Course.) (Credit.3)****Theory. (Credit. 1.5)**

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|---|--------------|
| 1. Introduction and Principles of Horticulture:   | <b>(1 L)</b> |
| 2. Definition, Importance and Scope of Horticulture, Maharashtra and India.   | <b>(2 L)</b> |
| 3. Branches of Horticulture- Pomology, Olericulture, Floriculture, Post Harvest Technology, landscape gardening, Plasticulture, Biotechnology (Plant tissue culture). | <b>(2 L)</b> |
| 4. Nutritive value of horticultural crops.  | <b>(1 L)</b> |
| 5. Soil, Climate management.  | <b>(3 L)</b> |
| i) Types of soil – Physical and Chemical Characteristics of soil.   |              |
| ii) Brief account of soil found in India with the help of map and Climatic requirement of horticultural crops.  |              |
| 6. Selection of site for horticultural crops.   | <b>(1 L)</b> |
| 7. Different systems of planting orchards - Square, Rectangular, Hexagonal, Quinces, Contour and High density population - their merits and demerits                  | <b>(3 L)</b> |
| 8. Plant propagation- Definition, types (Cutting, Layering, Grafting, Budding)  | <b>(2 L)</b> |
| 9. Water management for Horticulture Plants.  | <b>(2 L)</b> |
| i) System of Irrigation, Drip, sprinkler, Micro sprinkler.  |              |
| ii) Surface irrigation- Flood, Ridges and Furrows, broad ridge and Furrow and basin method.   |              |
| 10. Training and Pruning.   | <b>(1 L)</b> |
| 11. Nutritional requirement.  | <b>(2 L)</b> |
| i) Major and Minor nutrients.   |              |
| ii) Chemical fertilizer and bio-fertilizer.   |              |
| iii) Manures Compost (F.Y.M).   |              |
| 12. Weed Management.  | <b>(1 L)</b> |
| i) By cultural methods,   |              |
| ii) Chemical control.   |              |
| 13. Special Horticultural practices- Training, Pruning, Girdling, Ringing, Bending, Notching  | <b>(2 L)</b> |

**Practical syllabus (Credits. 1.5).**

1. Classification and Identification of Horticultural crops.
2. Study of tools and implements in horticulture.
3. Layout of different planting systems.
4. Digging of pits for fruit plants.
5. Propagation methods.
  - a. Air Layering,
  - b. Simple layering (Guava).
  - c. Inarch or Approach grafting (Mango, Chikku)
  - d. Suckers Banana
6. Preparation of fertilizer mixtures.( Biofertilizer, Organic and Chemical)
7. Identification and management of nutritional disorders in fruit crops.
8. Preparation and application methods of growth regulators
9. Preparation of Bordeaux mixture and paste
10. Visit to progressive farms. (Agriculture Universities, Agri. Institution, Industry)

**\*Note:** - 1. Student has to perform at list six practicals and study tour/field visit.  
2. In lieu of study tour a student will have perform 2 more practicals

**Note :** Both Theory and Practical based activity examination should be conduct at a same time.

**Reference Books:**

1. Fundamentals of Horticulture, Edmond, J.B., Sen., T.L., Andrews, F.S and Halfacre R.G, 1963. Tata McGraw Hill Publishing Co., New Delhi.
2. Introduction to Horticulture, Kumar, N. 1990. Rajyalakshmi Publications, Nagarcoil, Tamilnadu.
3. Basic Horticulture, Jitendra Sing, 2002. Kalyani Publishers, Hyderabad.
4. Fundamentals of Fruit Production, Garner V R, Bradford F C and Hooker Jr. H D, 1957. McGraw Hill Book Co., New York.
5. Plant Propagation. Principles and Practices, Hartman, HT and Kester, D.E.1976, Prentice Hall of India Pvt. Ltd. Bombay.
6. Plant Propagation. Sadhu, M.K. 1996. New Age International Publishers, New Delhi. Propagation of Fruit Crops, Mukherjee, S.K. and Majumdar, P.K.1973. ICAR, New Delhi.
7. Propagation of Tropical Fruit Trees, Ganner, R.J. and Choudari, S.A. 1972. Oxford & IBH Publishing Co., New Delhi.
8. Propagation of Horticultural Crops: Principles and Practices, Sarma, R.R. 2002. Kalyani Publishers, New Delhi

**SEMESTER -IV****CC – 2 .****Course code - RE-C-HM-242****Paper Title: Horticulture & Its Management - I (Paper -1)  
(‘C’ Component: Applied Course.) (Credit.3)****Theory (Credits. 1.5)**

1. Pomology.: **(3 L)**
  - i) Importance and scope for fruit growing.
  - ii) Export and import potential of fruits in India.
  - iii) Importance of fruit in human diet.
2. Cultivation of following fruit crops with references Origin, history, distribution, area and production, uses and composition, varieties, soil and climatic requirements, propagation, planting, training and pruning, manuring and fertilizer application, irrigation, intercropping, harvesting and yield, diseases and pests, storage and marketing of the following fruit crops: **(18 L)**
  - i) Grapes
  - ii) Mango
  - iii) Citrus (Mosambi, K.Lime. Orange).
  - iv) Pomegranate.
  - v) Custard apple.
  - vi) Sapota (Chikku).
  - vii) Papaya.
  - viii) Guava
3. Government policies / Schemes for promoting fruit crops cultivation. **(2 L)**

**Practical's (Credits. 1.5)**

1. Identification of fruit crops and their varieties.
2. Demonstration.
  - i) Pruning in Grapes.
  - ii) Bahar treatment in Pomegranate, Guava, Citrus.
3. Methods of fertilizer application for fruit crops according to recommended doses.
  - i) Ring method.
  - ii) Foliar spray
  - iii) Drip through ventury
4. Identification of Important pest and disease of fruit crops.
  - a) Pest.
    - i) Fruit borer (pomegranate).
    - ii) Mango Hopper (Mango).
    - iii) Fruit fly (Guava).
    - iv) Mille bug (Custard).
    - v) Termites (Grapes)

- b) Disease.
  - i) Downy Mildew (Grapes)
  - ii) Cankering (Citrus).
  - iii) Powdery mildew. (Mango).
  - iv) Yellow vein mosaic (Papaya)
5. Harvesting grading and packaging of fruit to be demonstration.
6. Study of methods of precooling, storage and transport of fruits.
7. Preparation of Jam Jelly
8. Preparation of squashes and pickles.
9. Visit to a fruit market/commercial orchids
10. Visit to Research institute/ Universities/ Industries/KVK should be arranged  
Wherever necessary.

**\*Note:** - 1. Student has to perform at list six practicals and study tour/field visit.  
2. In lieu of study tour a student will have perform 2 more practicals

**Note :** Both Theory and Practical based activity examination should be conduct at a same time.

#### References.

1. Text book on Pomology (Fundamentals of fruit growing), Chattopadhyay, T.K.1997. Kalyani Publishers, Hyderabad.
2. Citriculture, Rajput, C.B.S. and Srihari Babu, R. 1958. Kalyani Publishers, New Delhi.
3. Arid Fruit Culture, Chundawat, B.S. 1990. Oxford and IBH, New Delhi.
4. Principles and Practice of Postharvest Technology, Pandey, P.H. 1998. Kalyani Publisher, Ludhiana.
5. Postharvest Technology of Horticultural Crops, Sudheer, K.P. 2007. New India Publishing Agency, New Delhi.
6. Fruit and Vegetable Preservation Principles Practice, Srivastava, R.P. and Sanjeev Kumar 1998. International Book Distribution Co., Lucknow .
7. Preservation of Fruits and Vegetables. Girdharilal, G. S., Siddappa and Tandon, G.L. 1998. ICAR, New Delhi
8. .A Handbook on Postharvest Management of Fruits & Vegetables, P.Jacob John 2008. Baya publishing House, Delhi.
9. Postharvest–An Introduction to the Physiology & Handling of Fruits & Vegetables, R.B.H. Wills, W.B.Mc Glassan, D. Graham, T.H. Lee & E.G. Hall.
10. CBS Publishers & Distributors, New Delhi .

**SEMESTER -III****CC – 2 .****Course code - RE-C-MC-233****Paper Title: Mass Communication - I (Paper -1)  
(‘C’ Component: Applied Course.) (Credit.3)**

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**Theory Credit: 1.5****THEORY**

- 1. Introduction to Mass Communication (7 L)**
  - The Meaning and Principles of Communication
  - Elements of communication
  - Types of communication
- 2. Traditional Communication System (8 L)**
  - Bhajan
  - Kirtan
  - Pravachan
  - Tamasha
  - Powada
- 3. Mass Communication-Print Media (Merits and Demerits) (8 L)**
  - Magazines
  - Periodicals
  - Quarterly
  - Annuals
  - News Paper

**Practical Based Activity Credit: 1.5****Practical Based Activity**

1. Collection of paper clipping of various news items published in local newspapers and their classification
2. Visit to News Paper Office
3. To collect clipping from local news papers of feedback from readers.

4. To interview some newspaper readers and collect their views on particular matter with the help of questionnaires
5. To collect advertisements published in news paper
6. To attend mass meeting and prepare a report
7. To prepare a list of magazines and periodicals in college library and prepare a table
8. To attend Bhajan, Pravachan or Kirtan, Street Plays and prepares a report

*(Students shall prepare the journal for each semester on the basis of the practical's based activity conducted in the semester. Each student shall attend and complete minimum 06 practical based activities are conducted by the college.)*

**Note : Both Theory and Practical based activity examination should be conduct at a same time.**

### **References**

1. Kumar Keval J Mass Communication, Bombay Jacob publishers House1981.
2. Dr. Vijay Dharurkar. Perspectives in mass communication, Ramrajya Publication, Aurangabad.
3. Chatterjee R.K. Mass Communication, New Delhi, National Book Trust3rd.1979.
- ४ . सुधाकर पवार, वृत्तपत्र व्यवसायः काल नि आज, वृत्तपत्र विद्या व जनसंवाद विभाग, मराठवाडा विद्यापीठ, औरंगाबाद
- ५ . वि . ल . धारूडकार, जनसंपर्क मिमांसा, वृत्तपत्र विद्या व जनसंवाद विभाग, मराठवाडा विद्यापीठ, औरंगाबाद
6. सुरेश भ . पुरी, जनसंपर्कः संकल्पना आणि सिध्दांत .

**SEMESTER -IV****CC – 2 .****Course code - RE-C-MC-243****Paper Title: Mass Communication -II (Paper -II)  
(‘C’ Component: Applied Course) (Credit.3)**

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**Theory Credit: 1.5****THEORY**

- 1. Introduction to Electronic Media** (7 L)
  - Historical Review of Electronic Media
  - Types of Electronic Media
  - Audio Visual Media- Radio, FM
  
- 2. Audio -Video Visual Media (Merits and Demerits)** (8 L)
  - **Television**
  - Computer and Internet
  - Social Media
  - Blogs
  
- 3. Public Opinion and Mass Media** (8 L)
  - Concepts of Public Opinion
  - Factors influencing Opinions
    - a. Family
    - b. School
    - c. Religion
    - d. Culture
    - e. Professional Organization
    - f. Social Groups
    - g. Interest Groups
    - h. Political Parties

**Practical Based Activity Credit: 1.5****Practical Based Activity**

1. Visit to Radio station
2. Visit to TV Center
3. Visit to Cyber Cafe and understand concept of email and blogs
4. To open the email id
5. To listen Radio program and write your opinion and send a letter to the concern office
6. To watch TV program and write your opinion and send a letter to the concern office
7. To prepare a documentary on social issue.
8. To watch Feature film/documentary and prepare a short report about effectiveness of the film

*(Students shall prepare the journal for each semester on the basis of the practical's based activity conducted in the semester. Each student shall attend and complete minimum 06 practical based activities are conducted by the college.)*

**Note : Both Theory and Practical based activity examination should be conduct at a same time.**

**References**

1. Metha D. S. Mass Communication and Journalism in India, New Delhi, Allied Publishes 1982
2. Ved Prakash Gandhi, Principles and Practices of Mass Communication. Kanishka Publishers, Distributers, New Delhi. 110002
3. Kumar Keval J Mass Communication in India, Bombay Jacob Publishers House 1981
- ४ . जे . व्ही . विलानिलम, अनुवाद जयमती दळवी, भारतातील प्रसारमाध्यमे काल आणि आज, डायमंड पब्लिकेशन पुणे २००८
- ५ . इनामदार आणि वकील अ . क . (संपादक) आधुनिक राजकीय विश्लेषण, शुभदा प्रकाशन, पुणे
- ६ . खांडे र . र . दृकश्राव्य साधने, नागपूर, महाराष्ट्र विद्यापीठ ग्रंथ निर्माण
- ७ . संदीप सांगळे, व्यवहारीक व उपयोजित मराठी आणि प्रसार माध्यमे, डायमंड पब्लिकेशन, पुणे २००९ .