



# **Savitribai Phule Pune University**

*(Formerly University of Pune)*

**Three Year B.Sc. Degree Program in Geography**

**(Faculty of Science & Technology)**

**F.Y.B.A. (Geography)**

**Choice Based Credit System Syllabus**

**To be implemented from Academic Year 2019-2020**

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

### **Preamble for the Syllabus:**

Savitribai Phule Pune University has decided to change the syllabi of various faculties from June, 2019. Taking into consideration the rapid changes in arts & Humanities across different areas of Geography and related subjects board of studies in Geography with concern of teachers of Geography from different colleges affiliated to Savitribai Phule Pune University has prepared the syllabus of F.Y.B.A. Geography. To develop the syllabus the U.G.C. Model curriculum is followed.

**Preamble:** This paper intends to acquaint the students with various dimensions of Physical Geography, and its challenges. The students of Geography, F.Y.B. A. should understand the current issues in Physical geography. Specifically Physical geography focused on Lithosphere, Fluvial Cycle, Atmosphere, Hydrosphere.

### **Objectives:**

- I. To introduce the students to the basic concepts in Physical geography.
- II. To introduce latest concept in Physical geography
- III. To acquaint the students with the utility and application of Physical geography in different regions and environment.
- IV. IV. To make the students aware about Earth system (Lithosphere, Atmosphere, Biosphere and Hydrosphere)

### **Course Outcome:**

Upon successful completion of this course, the student will be able to:

- i) The geographical maturity of students in their current and future courses shall develop.
- ii) The student develops theoretical, applied and computational skills.

**Course Structure****F. Y. B. A. GEOGRAPHY**

Sr. No.	Semester	Course No	Name of the Course	Category
1	Semester I	Gg- 110 (A)	Physical Geography	Geography DSE - 1
2	Semester – II	Gg- 110 (B )	Human Geography	Geography DSE - 2

**S. Y. B. A. GEOGRAPHY**

Paper Code	Semester	Paper	Subject
Gg: 210(A)	III	G2	Environmental Geography I OR Economic Geography -I
Gg: 220(A)	III	S1	Geography of Maharashtra - I OR Population Geography – I
Gg: 201(A)	III	S2	Practical Geography – I (Scale and Map Projections)
Gg: 210(B)	IV	G2	Environmental Geography II OR Economic Geography -II
Gg: 220(B)	IV	S1	Geography of Maharashtra - II OR Population Geography – II
Gg: 201(B)	IV	S2	Practical Geography – II (Cartographic Techniques, Surveying and Excursion / Village / Project Report)

**T. Y. B. A. GEOGRAPHY**

Paper Code	Semester	Paper	Subject
Gg: 310(A)	V	G3	Geography of Disaster Management-I OR Geography of Tourism- I
Gg: 320(A)	V	S3	Geography of India -I OR Geography of rural development -I
Gg: 301(A)	V	S4	Practical Geography – I (Techniques of Spatial Analysis)
Gg: 310(B)	VI	G3	Geography of Disaster Management-II OR Geography of Tourism -II
Gg: 320(B)	VI	S3	Geography of India -II OR Geography of rural development -II
Gg: 301(B)	VI	S4	Practical Geography – II (Techniques of Spatial Analysis, Surveying and Excursion / Village / Project Report)

**Equivalence of Previous syllabus along with new syllabus:**

	Old course	New Course
<b>Paper I</b>	Gg-110 Elements of Geomorphology	Gg-110(A) Physical Geography
<b>Paper II</b>		Gg-110(B) Human Geography

**Details of Syllabus:**

**Semester I**  
**Physical Geography**

Sr. No	Topic	Sub Topics	Teaching Hours	Total Credits
1.	Introduction to Physical Geography	1) Definitions of Physical Geography 2) Nature and scope of Physical Geography 3) Branches of Physical Geography 4) Introduction about the Earth system (Lithosphere, Atmosphere, Hydrosphere and Biosphere)	12	03
2	Lithosphere	1) Interior of the earth 2) Wegner's Continental Drift Theory 3) Davis Concept of Cycle of erosion	12	
3	Atmosphere	1) Structure of the atmosphere 2) Heat Balance 3) Pressure belts and wind system 4) Forms and types of Precipitation	12	
4	Hydrosphere	1) Hydrological cycle 2) General structure of ocean floor 3) Waves and Tides 4) Field Visit (Not more than one day) for observations geographical places and landforms.	12	

**Reference Books**

- 1) Clayton K., (1986), Earth Crust, AdusBook, London.
- 2) Davis W. M., (1909), Geographical Essay, Ginnia Co.
- 3) Dayal P., (1996), Text Book of Geomorphology, Shukla Book Depot, Patna.
- 4) Kale V.S. and Gupta A., (2015), Introduction of Geomorphology, University Press, PVT Kolkata.
- 5) Kale V.S. and Gupta A., (2001), Elements of Geomorphology, Oxford Univ. Press.
- Monkhous, (1951), Principle of Physical Geography, McGraw Hill Pub – New York.
- 6) Pitty A. F., (1974), Introduction to Geomorphology, Methuen London.
- 7) Singh Savindra, (2000), Physical Geography, PrayagPustakBhavan, 20-A, University Road, Allahabad – 211002.
- 8) Steers J. A., (1964), The Unstable Earth Some Recent Views in Geography, Kalyani Publishers, New Delhi.
- 9) Swaroop Shanti, (2006), Physical Geography, King Books, NaiSarak, Delhi – 110006.
- 10) Wooldridge S. W. and Morgan R. S., (1959), The Physical Basis of Geography and Outline of Geomorphology, Longman Green and Co. London.
- 11) More, Pagar&Thorat, (2014), Elements of Climatology & Oceanography, (Marathi), Atharv Publication, Pune
- 12) S MUKHERJEE, UNDERSTANDING PHYSICAL GEOGRAPHY, ORIENT BLACKSWAN (PVT)LTD



**Semester II****DSE (Discipline Specific Elective) - II Geography**  
**Human Geography**

Sr. No	Topic	Sub Topics	Teaching Hours	Credits
1.	Introduction to Human Geography	1) Definitions of Human Geography 2) Nature and scope of Human Geography 3) Branches and importance of Human Geography	12	03
2	Population	1) Factors affecting on distribution of population 2) Theory of demographic transition 3) Composition of Indian population ( Gender and literacy )	12	
3	Settlements	1) Types and pattern of rural Settlements 2) Urbanisation in India 3) Urbanisation in Maharashtra	12	
4	Agriculture	1) Types of Agriculture 2) Factors affecting on Agriculture activity 3) Problems of Indian agriculture	12	

**Reference Books**

1. Chandna, R.C. (2010) Population Geography, Kalyani Publisher.
2. Hassan, M.I. (2005) Population Geography, Rawat Publications, Jaipur
3. Daniel, P.A. and Hopkinson, M.F. (1989) The Geography of Settlement, Oliver & Boyd, London.
4. Musmade Arjun, Sonawane Amit and Jyotiram More, Population & Settlement Geography, (2015), Diamond Publication Pune.
5. Jyotiram More and Musmade Arjun (2015) Regional Geography of India .Diamond Publication Pune.
6. Johnston R; Gregory D, Pratt G, et al. (2008) The Dictionary of Human Geography, Blackwell Publication.
7. Jordan-Bychkov et al. (2006) The Human Mosaic: A Thematic Introduction to Cultural Geography. W. H. Freeman and Company, New York.
8. Kaushik, S.D. (2010) Manavi Bhugol, Rastogi Publication, Meerut.
9. Maurya, S.D. (2012) Manav Bhugol, Sharda Pustak Bhawan, Allahabad.
10. Sudeeptha Adhikari (2016) Orient Blackswan PVT, New Delhi.
12. Sumitra Ghosh (2015), Introduction of Settlement Geography. Orient Blackswan PVT Kolkata.
13. Ghosh B.N. : Fundamentals of Population Geography
14. Hussin M. : Human Geography 1994
15. Money D.S. : Human Geography

16. Perpillou A. V. : Human Geography, Longman, London- 1986
17. Robinson H. : Human Geography, 1976
18. Mishra & Puri : Indian Economy 2004
19. India- 2008 : Govt. of India
20. Hassan Mohammed I. : Population Geography, 2005
21. Bhende Asha & Kanitkar Tara : Principles of Population studies
22. Perillou A. V. : Human Geography, 1986
23. Singh, R. Y. : Geography of Settlement, 1998
24. Singh, Gopal : Mapwork & Practical Geography, 1999
25. Sawant S. B. Athavale A. S. and Musmade A. H, Population Geography, Mehata publishing house, Pune
26. Chandana R. C. : Geography of Population, Kalyani Pub, Ludhiana 1988
- 27) S. MUKHERJEE, UNDERSTANDING PHYSICAL GEOGRAPHY, ORIENT BLACKSWAN (PVT) LTD

**UNIVERSITY OF PUNE**  
**Revised structure of Syllabus for B.A. Geography to be effective from**

**F.Y.B.A. – June, 2013**

**S.Y.B.A. – June, 2014**

**T.Y.B.A. – June, 2015**

<b>F.Y.B.A.</b>		
<b>G-1</b>	<b>Gg-110</b>	<b>Elements of Geomorphology</b>

<b>S.Y.B.A.</b>		
<b>G-2</b>	<b>Gg-210</b>	<b>Elements of Climatology and Oceanography</b>
		<b>OR</b>
<b>G-2</b>	<b>Gg-210</b>	<b>Geography of Disaster Management</b>
<b>S-1</b>	<b>Gg-220</b>	<b>Economic Geography</b>
		<b>OR</b>
<b>S-1</b>	<b>Gg-220</b>	<b>Tourism Geography</b>
<b>S-2</b>	<b>Gg-201</b>	<b>Fundamentals of Geographical Analysis</b>



## **Equivalence of Syllabus in Geography (S.Y.B.A.)**

**Effective from June 2014**

<b>Old Syllabus (June 2009)</b>		<b>New Syllabus (June 2014)</b>		<b>Equivalent (Yes / No)</b>
Gg-210	Geography of Human Resources	Gg-210	Elements of Climatology and Oceanography	No
Gg-210	Geography of Natural Hazards	Gg-210	Geography of Disaster Management	Yes
Gg-220	India: A Geographical Analysis	Gg-220	Economic Geography	No
Gg-220	China: A Geographical Analysis	Gg-220	Tourism Geography	No
Gg-201	Fundamentals of Geographical Analysis	Gg-201	Fundamentals of Geographical Analysis	Yes

## **Structure /Pattern of syllabus- S.Y.B.A**

1. Title of the course – **Gg- 210- Elements of Climatology and Oceanography (G-2)**
2. Preamble of the syllabus
  - i. To introduce the students to the basic principles and concepts in Climatology and Oceanography.
  - ii. To acquaint the students with the applications of Climatology and Oceanography in different areas and environment.
  - iii. To make the students aware of the Planet Earth and thereby to enrich the student's knowledge.
3. Introduction: Pattern –**Annual (20 marks internal, 80 marks University)**
4. Eligibility- **F.Y.B.A. pass**
5. Examination-
  - A. Pattern of examination-
    - i **Internal term end and University exam,**
    - ii. **Pattern of question paper- 20 : 80**

**Internal Exam- 60 Marks = (converted to 20 marks)**

**University Exam- 80 Marks =**

**B. Standard of passing- Internal -08- University -32= Annual marks 40**

**C. ATKT rules- Yes**

**D. Award of class- S.Y.B.A. Pass**

**E. External students- S.Y.B.A. Pass**

**F. Setting of question papers / pattern of question paper**

**Internal Exam- 60 Marks = (converted to 20 marks)**

Question 1. Answers in 20 words- 14marks (any 7 out of 10)

Question 2. Answers in 50 words -08 marks (any 2 out of 4)

Question 3. Answers in 150 words- 18 marks (any 3 out of 5)

Question 4. Answers in 300 words- 20 marks (any 1 out of 2)

**University Exam- 80 Marks =**

Question 1. Answers in 20 words- 20 marks (any 10 out of 15)

Question 2. Answers in 50 words -10 marks (any 2 out of 4)

Question 3. Answers in 150 words- 20 marks (any 2 out of 4)

Question 4. Answers in 300 words- 30 marks (any 2 out of 4)

**G. Verification / Revaluation- Yes**

6. Structure of the Course
  - a. Compulsory paper- **S.Y.B.A. General**

- b. Optional paper- **Yes**
- c. Question paper and papers etc - **One**
- d. Medium of instructions- **Marathi and English**
- 7. Equivalence of previous syllabus along with propose syllabus- **yes**
- 8. University terms- **Annual**
- 9. Subject wise detail syllabus – **As per attached sheets**
- 10. Recommended books- **Mentioned in Syllabus**

Qualification of teacher- **MA./MSc (Geography), as per UGC and University norms**

## **Structure /Pattern of Syllabus- S.Y.B.A**

- 1. Title of the course – Gg- 210- Geography of Disaster Management (G-2)**
- 2. Preamble of the syllabus**
  - i. To introduce students the concept of disaster & its relation with Geography.
  - ii. To acquaint the students with the utility & application of hazards in different areas & its management.
  - iii. To make the students aware of the need of protection & disaster management.
- 3. Introduction; Pattern –Annual (20 marks internal; 80 marks University )**
- 4. Eligibility- F.Y.B.A. pass**
- 5. Examination-**
  - A. Pattern of examination-
    - i Internal term end and University exam,
    - ii. Pattern of question paper- 20 : 80

**Internal Exam- 60 Marks = (converted to 20 marks)**

**University Exam- 80 Marks =**

- B. Standard of passing- Internal -08, University -32= Annual marks 40**
- C. ATKT rules- Yes**
- D. Award of class- S.Y.B.A. Pass**
- E. External students- S.Y.B.A. Pass**
- F. Setting of question papers / pattern of question paper:**

**Internal Exam- 60 Marks = (converted to 20 marks)**

- Question 1. Answers in 20 words- 14 marks (any 7 out of 10)
- Question 2. Answers in 50 words -08 marks (any 2 out of 4)
- Question 3. Answers in 150 words- 18 marks (any 3 out of 5)
- Question 4. Answers in 300 words- 20 marks (any 1 out of 2)

**University Exam- 80 Marks =**

- Question 1. Answers in 20 words- 20 marks (any 10 out of 15)
- Question 2. Answers in 50 words -10 marks (any 2 out of 4)
- Question 3. Answers in 150 words- 20 marks (any 2 out of 4)
- Question 4. Answers in 300 words- 30 marks (any 2 out of 4)

- G. Verification / Revaluation- Yes**

6. Structure of the Course

- a. Compulsory paper- **S.Y.B.A. General**
- b. Optional paper- **Yes**
- c. Question paper and papers etc - **One**
- d. Medium of instructions- **Marathi and English**

7. Equivalence of previous syllabus along with proposed syllabus- **Yes**

8. University terms- **Annual**

9. Subject wise detail syllabus – **As per attached sheets**

10. Recommended books- **Mentioned in Syllabus**

Qualification of teacher- **MA/M.Sc (Geography), as per UGC and University norms**



## **Structure /Pattern of Syllabus- S.Y.B.A**

- 1. Title of the course – Gg- 220- Economic Geography (S-1)**
- 2. Preamble of the syllabus**
  - i. To introduce the students to the basic principles and concepts in Economic Geography
  - ii. To acquaint the students with the applications of Economic Geography in different areas and development.
  - iii. The main aim is to integrate the various factors of economic development and to acquaint the students about this dynamic aspect of economic geography
- 3. Introduction: Pattern –Annual (20 marks internal, 80 Marks University)**
- 4. Eligibility- F.Y.B.A. pass**
- 5. Examination-**
  - A. Pattern of examination-
    - i **Internal term end and University exam,**
    - ii. **Pattern of question paper- 20 : 80**

**Internal Exam- 60 Marks = (converted to 20 marks)**

**University Exam- 80 Marks =**

**B. Standard of passing- Internal -08, University -32= Annual marks 40**

**C. ATKT rules- Yes**

**D. Award of class- S.Y.B.A. Pass**

**E. External students- S.Y.B.A. Pass**

**F. Setting of question papers / pattern of question paper:**

**Internal Exam- 60 Marks = (converted to 20 marks)**

Question 1. Answers in 20 words- 14 marks (any 7 out of 10)

Question 2. Answers in 50 words -08 marks (any 2 out of 4)

Question 3. Answers in 150 words- 18 marks (any 3 out of 5)

Question 4. Answers in 300 words- 20 marks (any 1 out of 2)

**University Exam- 80 Marks =**

Question 1. Answers in 20 words- 20 marks (any 10 out of 15)

Question 2. Answers in 50 words -10 marks (any 2 out of 4)

Question 3. Answers in 150 words- 20 marks (any 2 out of 4)

Question 4. Answers in 300 words- 30 marks (any 2 out of 4)

**G. Verification / Revaluation- Yes**

- 6. Structure of the Course**
  - a. Compulsory paper- S.Y.B.A. General**
  - b. Optional paper- Yes**

- c. Question paper and papers etc - **One**
  - d. Medium of instructions- **Marathi and English**
  - 7. Equivalence of previous syllabus along with propose syllabus- **yes**
  - 8. University terms- **Annual**
  - 9. Subject wise detail syllabus – **As per attached sheets**
  - 10. Recommended books- **Mentioned in Syllabus**
- Qualification of teacher- **M.A./M.Sc (Geography), as per UGC and University norms**

## **Structure /Pattern of Syllabus- S.Y.B.A**

Title of the course – **Gg- 201- FUNDAMENTALS OF GEOGRAPHICAL ANALYSIS ( S-2)**

11. Preamble of the syllabus

- i To enable the students to use various Projections and Cartographic Techniques.
- ii To acquaint the students with basic of Statistical data.
- iii To acquaint the students with the principles of surveying, its importance and utility in the geographical study.

**12. Introduction: Pattern –Annual (100 marks University )**

**13. Eligibility- F.Y.B.A. pass**

**14. Examination-**

**H. Pattern of examination-**

**University Exam- 100 Marks =**

**I. Standard of passing- University - Annual marks 40**

**J. ATKT rules- Yes**

**K. Award of class- S.Y.B.A. Pass**

**L. External students-No**

**M. Setting of question papers / pattern of question paper**

**University Exam- 100 Marks = As per scheme of marking**

**N. Verification / Revaluation- No**

**15. Structure of the Course**

**e. Compulsory paper- S.Y.B.A.**

**f. Optional paper- No**

**g. Question paper and papers etc – As per batch**

**h. Medium of instructions- Marathi and English**

**16. Equivalence of previous syllabus along with propose syllabus- yes**

**17. University terms- Annual**

**18. Subject wise detail syllabus – As per attached sheets**

**19. Recommended books- Mentioned in Syllabus**

**Qualification of teacher- M.A./M.Sc( Geography), as per UGC and University norms**

## **Structure /Pattern of Syllabus- S.Y.B.A.**

**(From June 2014)**

**1. Title of the Course – Gg- 220- Tourism Geography (S-1)**

**2. Preamble of the Syllabus**

- i. To acquaint the student's basic concepts of Geography & Tourism.
- ii. To aware the students with the utility and application of Tourism.
- iii. To help the students & society to understand the interrelationship between tourism and employment generation opportunities.
- iv. To understand the impact of tourism on Physical and Human Environments.

**3. Introduction: Pattern –Annual (20 marks internal; 80 marks University )**

**4. Eligibility- F.Y.B.A. pass**

**5. Examination-**

**A. Pattern of examination-**

**i (Internal term end and University exam),**

**ii. Pattern of question paper- 20 : 80**

**Internal Exam- 60 Marks = (converted to 20 marks)**

**University Exam- 80 Marks =**

**B. Standard of passing- Internal -08, University -32 = Annual marks 40**

**C. ATKT rules- Yes**

**D. Award of class- S.Y.B.A. Pass**

**E. External students- S.Y.B.A. Pass**

**F. Setting of question papers / pattern of question paper**

**Internal Exam- 60 Marks = (converted to 20 marks)**

Question 1. Answers in 20 words- 14 marks (any 7 out of 10)

Question 2. Answers in 50 words -08 marks (any 2 out of 4)

Question 3. Answers in 150 words- 18 marks (any 3 out of 5)

Question 4. Answers in 300 words- 20 marks (any 1 out of 2)

**University Exam- 80 Marks =**

Question 1. Answers in 20 words- 20 marks (any 10 out of 15)

Question 2. Answers in 50 words -10 marks (any 2 out of 4)

Question 3. Answers in 150 words- 20 marks (any 2 out of 4)

Question 4. Answers in 300 words- 30 marks (any 2 out of 4)

**G. Verification / Revaluation- Yes**

6. Structure of the Course

a. Compulsory paper- **S.Y.B.A. General**

b. Optional paper- **Yes**

c. Question paper and papers etc - **One**

d. Medium of instructions- **Marathi and English**

7. Equivalence of previous syllabus along with proposed syllabus- **No**

8. University terms- **Annual**

9. Subject-wise detail syllabus – **As per attached sheets**

10. Recommended books- **Mentioned in Syllabus**

Qualification of teacher- **MA./ MSc (Geography), as per UGC and University norms**



## **Structure /Pattern of Syllabus- S.Y.B.A**

Title of the course – **Gg- 201- FUNDAMENTALS OF GEOGRAPHICAL ANALYSIS ( S-2)**

Preamble of the syllabus

- i To enable the students to use various Projections and Cartographic Techniques.
- ii To acquaint the students with basic of Statistical data and diagrams.
- iii To acquaint the students with the principles of surveying, its importance and utility in the geographical study.

1. Introduction: Pattern –**Annual (100 marks University )**
2. Eligibility- **F.Y.B.A. pass**
3. Examination-
  - A. Pattern of examination-  
**University Exam- 100 Marks**
  - B. Standard of passing- **University - Annual marks 40**
  - C. ATKT rules- **Yes**
  - D. Award of class- **S.Y.B.A. Pass**
  - E. External students- **No**
  - F. Setting of question papers / pattern of question paper-  
**University Exam- 100 Marks = As per scheme of marking**
  - G. Verification / Revaluation- **No**
4. Structure of the Course
  - a. Compulsory paper- **S.Y.B.A.**
  - b. Optional paper- **No**
  - c. Question paper and papers etc – **As per batch**
  - d. Medium of instructions- **Marathi and English**
5. Equivalence of previous syllabus along with proposed syllabus- **Yes**
6. University terms- **Annual**
7. Subject wise detail syllabus – **As per attached sheets**
8. Recommended books- **Mentioned in Syllabus**

Qualification of teacher- **M.A./M.Sc (Geography), as per UGC and University norms**

## Gg 210: Elements of Climatology and Oceanography (G2)

### Objectives:

1. To introduce the students to the basic principles and concepts in Climatology and Oceanography.
2. To acquaint the students with the applications of Climatology and Oceanography in different areas and environment.
3. To make the students aware of the Planet Earth and thereby to enrich the student's knowledge.

Section I - Climatology			
No.	Unit	Sub Units	Periods
1	Introduction to Climatology and Atmosphere	1. Definition, nature and scope 2. Importance of Climatology in modern times. 3. Weather and climate, elements of weather and climate 4. Composition and structure of the atmosphere	10
2	Insolation	1. Heat budget of the Earth. 2. Factors affecting horizontal distribution of temperature. 3. Inversion of temperature, lapse rate and its types. 4. Global warming.	8
3	Atmospheric Pressure and Wind System	1. Vertical and horizontal distribution of pressure. 2. Formation of pressure belts and their relation with winds. 3. Concept of pressure gradient. 4. Type of winds- planetary winds, periodic winds (Monsoon winds), local winds - land and sea breezes, mountain and valley winds. 5. El Niño and La Niña	10
4	Atmospheric Moisture and Precipitation	1. Sources of moisture, methods to express humidity of the air- absolute and relative humidity. 2. Forms of precipitation- rain, snow, dew, hail and fog. 3. Types of clouds- high, medium low clouds.	10
5	Atmospheric Disturbances	1. Cyclones- tropical and temperate and associated weather conditions. 2. Anticyclones and associated weather conditions.	7

<b>Section II – Oceanography</b>			
6	Oceanography	1. Definition, nature and scope. 2. Relevance of Oceanography on earth	8
7	Submarine Relief	1. General idea of ocean relief. 2. Relief of Atlantic, Pacific and Indian oceans.	8
8	Properties of Ocean Water	1. Properties of ocean water- temperature, density. 2. Salinity- meaning and causes. 3. Salinity of oceans, seas, and lakes with examples.	10
9	Movements of Ocean Water	1. Waves- Characteristics of sea waves, tsunamis. 2. Ocean currents- meaning, causes, types. 3. Ocean currents of Atlantic, Pacific and Indian Oceans 4. Effects of ocean currents. 5. Tides- meaning, causes, types. 6. Equilibrium theory of tides.	12
10	Coastal Environment	1. Significance of Coastal Environment. 2. Oceans as Storehouse of Resources for the future	7

#### **Reference Books:**

Critchfield, H.J., 1997. General Climatology, Prentice Hall of India Pvt. Ltd, New Delhi.  
Dasgupta, A. and Kapoor, A.N., Principles of Physical Geography.  
Grald, S., General Oceanography.  
Trewartha, G., Introduction to Weather and Climate.  
King, C.A.M., Oceanography for Geographers.  
Lake, P., Physical Geography.  
Lutgens, F.K. and Tarbuck, E.J., 2007. The Atmosphere, Pearson Prentice Hall,  
Pirie, R.G., Oceanography (Contemporary).  
Ross, D.A., 1988. Introduction to Oceanography. Prentice Hall, New Jersey.  
Sharma, R.C. and Vatel. M.,- Oceanography for Geographers.  
Strahler, A.A. and Strahler, A. N., 2002. Physical Geography: Science and Systems of the Human Environment, John Wiley and Sons, INC.  
Strahler, A.H. and Strahler, A. N., 1992. Modern Physical Geography, John Wiley and Sons, Inc.  
Strahler, A.N., 1965. Introduction to Physical Geography, John Wiley and Sons, INC.  
Ahirrao, W.R., Alizad, S.S. and Dhapte, C.S., 1998. Climatology and Oceanography, Nirali Prakashan, Pune.  
Bhagvat Arvind and Karlekar Shrikant : Prakrutik Bhuvvidnyan  
Datye and Datye : Sugam Prakrutik Bhuvvidyan.

Various websites of internet.



## Gg-210 Geography of Disaster Management (G2)

### Objectives:-

- 1) To introduce students the concept of disaster & its relation with Geography.
- 2) To acquaint the students with the utility & application of hazards in different areas & its management.
- 3) To make the students aware of the need of protection & disaster management.

### SECTION - I

Sr. No.	Topic	Sub Topic	Learning Points	Periods
1	Introduction to hazards, disasters	Definition and types	a) Meaning, definition, b) Geographical conditions and disasters c) Classification of disasters	10
2	Basic concepts in disaster management.	Terminology and concepts	a) Concept of management b) Aims and objectives c) Pre-disaster management d) Post – disaster management	12
3.	Disaster management and measures	Structural and Non -structural measures	a) Structure of disaster management -Preparedness, Response, Recovery, Mitigation, Rehabilitation b) Standard operating procedure of management on government level c) Role of media	13
4	Climatic disasters and their management	causes, effects, area and management	a) Cyclones as disasters b) Droughts as disasters c) Floods as disasters	10

### SECTION – II

Sr. No.	Topic	Sub Topic	Learning Points	Periods
5	Geological and Geomorphic disasters and their management	Causes, effects, area and management	a) Earthquakes as disasters b) Landslides as disasters c) Tsunami as disasters	10
6	Anthropogenic disasters and their management	Trend, types, area, causes, effects and remedies,	a) Deforestation b) Forest fire as disasters c) Soil degradation d) Over exploitation of resources	12
7	Global issues and movements	Causes, effects and measures to conservation.	a) Global warming b) Ozone depletion c) Acid rain	10
8	Case Studies of disaster Managements	Management of Indian and Global disasters	a) Tsunami in Indian ocean -2004 b) Kedarnath Cloud Burst -2013 c) Fukushima Nuclear disaster -2011 d) Hail storm in Maharashtra- 2014	13

### Reference books:

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6. Chandna, R. C., 2000. A Geography of Population, Concepts, Determinants and Patterns, Kalyani Publishers, New Delhi.
7. Copola P Damon, 2007, Introduction to International Disaster Management
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13. Knox, P. and Agnew J., 1998. The Geography of the World Economy, Arnold, London.
14. Lutgens, F.K. and Tarbuck, E.J., 2007. The Atmosphere. Prentice Hall, Englewood Cliffs, New Jersey, USA.
15. Ross, D. A., 1988. Introduction to Oceanography. Prentice Hall, New Jersey.
16. Saptarshi P. G., More J. C., Ugale V. R. (2009), "Geography and Natural Hazard" Diamond, Pune.
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19. Strahler, A.A. and Strahler, A. N., 2002. Physical Geography: Science and Systems of the Human Environment, John Wiley and Sons, INC.
20. A.H.Choudhar ,P.N.Salve, S.M.Kadam,R.H.Choudhar,V.C.Ithape (2010), "Contemporary Issues and Geography",Atharva ,Pune.



## Gg 220: Economic Geography (S-1)

### Objectives:

1. To introduce the students to the basic principles and concepts in Economic Geography
2. To acquaint the students with the applications of Economic Geography in different areas and development.
3. The main aim is to integrate the various factors of economic development and to acquaint the students about this dynamic aspect of economic geography.

Section I			
No.	Unit	Learning Points	Periods
1	Introduction to Economic Geography	1.Introduction, Definition and meaning 2.Nature and Scope 3. Recent trends of economic geography 4. Approaches to study of economic geography	10
2	Economic Activities	1.Sectors of Economy- Primary, Secondary and Tertiary with examples 2. Concept of More Developed, Developing and Less Developed countries. 3. Impact of economic activities on environment.	10
3	Natural Resources	1.Introduction, Meaning 2. Importance of Natural Resources 3. Classification of Natural Resources- Renewable and Non-renewable 4. Conservation of Resources	11
4	Minerals and Energy Resources	1.Classification of Minerals 2. Ferrous and Non-ferrous and their world distribution- Iron Ore, Manganese, Copper, Mica. 3. Energy Resources - (a) Conventional - Coal, Petroleum, Hydel and Atomic (b) Non-Conventional- Solar, Wind, Tidal, Energy from Solid Waste 4. Energy Crisis in India	14
Section-II			
5	Industries	1.Factors affecting on Industrial Location 2.Weber's Theory of Industrial Location 3.Major Industries- a) Iron and Steel Industries	12

		b) Cotton Textile Industries c) Automobile Industries d) Ship Building Industries e) Paper Industries	
6	Agriculture	1.Importance of Agriculture 2.Factors influencing agriculture- physical, economic, social, cultural 3. Spatial Distribution of major food and cash crops- Wheat, Rice, Maize, Rubber 4. Agricultural Classification- a) Subsistence Agriculture b) Commercial Grain Farming c) Plantation Agriculture d) Market Oriented Farming 5.Role of Agriculture in Indian Economy	12
7	Transport and Trade	1.Geographahical factors influencing Development of Transportation. 2. World Distribution of Roads, railways, waterways, airways and pipelines. 3. Factors Influencing on International Trade. 4. Ricardo's Classical Theory 5. World Trade Organisation (WTO), OPEC	12
8	Economic Development in India	1.Economic Development in Pre and Post-independence period. 2. Impact of Green Revolution 3.Privatization, Globalisation and Liberlisaion.	9

### **References:-**

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Knowles R, Wareing J : (2004) Economic and Social Geography Made Simple, Rupa and company

Hartshorne T.A., Alexander J.W. (1998): Economic Geography, Prentice Hall.

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- Thoman Conking and Yeates (1974) : Geography of Economic Activity, Mc Graw Hill, New York.
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- Majid Husain (1979) : Agriculture Geography
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## Gg- 220 : Tourism Geography (S-1)

### Objective:-

- 1) To acquaint the student's basic concepts of Geography & Tourism
- 2) To aware the students with the utility and application of Tourism
- 3) To help the students & society to understand the interrelationship between tourism and employment generation opportunities.
- 4) To understand the impact of tourism on Physical and Human Environments.

Section-I				
No.	Unit	Sub-unit	Learning Points	Periods
1	Introduction to Tourism Geography	(A) Introduction and Definition  (B) Nature of Tourism Geography  (C) Scope of Tourism Geography  (D) Importance	1.Introduction 2.Definition of Tourists and Tourism  1.Uniqueness    2. Diversity 3.Recreational    4. Dynamic 5.Interdisciplinary 6.Non-Productive 7.Seasonal  1 Tourism as a Basic Need of Mankind 2 Tourism and Transportation 3 Natural environment and Tourism 4. Culture and Tourism 5. Religion and Tourism 6. Tourism Products  1 Relation Between Geography and Tourism 2 Importance of Tourism	10
2	Concepts and Classification of Tourism	(A) Concepts  (B) Classification Based on a)Nationality  b) Travel Time  c)Travel Distance	1 Geo-Tourism 2 Agro- Tourism 3 Heritage Tourism 4 Adventure Tourism 5 Religious Tourism 6 Health Tourism 7 Sport Tourism 8 Disaster Tourism  1. International    2. National 3. Regional    4. Local  1. Long Haul    2. Short Haul.  1. Global    2. National 3. Regional    4. Local	15

		d) Number Of Tourists	1. Groups      2. Family Members 3. Individual	
		e) Purpose	1. Religious      2. Recreation 3. Heritage      4. Adventure 5. Nature      6. Health 7. Sports	
		f) Approach	1. Eco-tourism as an Approach	
3	Assessing Tourism Potentials -I	Physical Factors (A) Relief  (B) Water bodies  (C) Climatic  (D) Forest	1. Mountain      2. Plateau 3. Plain      4. Sea Beaches 5. River Source      6. Water Fall  1. Lakes/ Dams      2. Hot Spring 3. Natural gassers 4. River –Confluences  1. Hill Station      2. Snow Fall 3. Rainy Season      4. Sanatoriums  1. National Park      2. Sanctuaries (With Indian Examples )	10
4	Assessing Tourism Potentials -II	Socio- Cultural Factors (A) Religious (B) Historical (C) Socio-Cultural	Pilgrim – All Religious Centers Historical Monuments Culture, Festivals, Sports Centres, Warli Paintings, Ideal Village (With Indian Examples)	10
<b>Section -II</b>				
5	Transportation and Communication	Infrastructure and Support System	1. Road      2. Rail      3. Water 4. Air      5. Space  1. Guide 2. Telephone/ mobile/ TV 3. Internet 4. Electronic & Printing Media 5. Travel & Tourist Agencies	10
6	Accommodation	Accommodation Types	1 Private Hotels, motels, Inn 2 Govt. accommodation- Tourist home, Guest House, Rest house, Youth Hostel, Tents, Caravans and Bed & Breakfast 3. Rail Yatirbhavan 4. House boats 5. Dharmashala	10



7	Impact of Tourism	<p>(A) Environmental Impact</p> <p>(B) Economic Impacts</p> <p>(C) Social and Cultural Impact</p>	<p>1. Land Degradation 2. Pollution – Land, Water, Air 3. Loss of Plants 4. Loss of Wild Animals and Birds</p> <p>1. Tourism as an Economic Activity 2. Effect on foreign Exchange 3. Employment generation 4. Increase of Land Values 5. Increase of Trading Activity 6. Increase of Govt. Revenues 7. Growth of infrastructure development 8. Multiple effect</p> <p>1. New colonialism    2. Crime 3. Religion              4. Language 5. Health 6. Traditional Arts</p>	12
8.	Case Studies of Major Tourist Centers in India	<p>(A). Hill Station</p> <p>(B) Beach Point</p> <p>(C). Historical</p> <p>(D) Religious</p> <p>(E) Dams/ Lake</p>	<p>1. Manali 2. Mahabaleshwar</p> <p>1. Marina Beach (Chennai) 2. Diveagar (Raigadh)</p> <p>1. Konark Sun Temple (Orissa) 2. Raigadh Fort</p> <p>1. Vaishno Devi (Jammu) 2. Shegaon (Buldhana)</p> <p>1. Sardar Sarovar (Gujrat) 2. Lonar Lake (Buldhana)</p>	13

#### References:-

1. Robinson H.(1996): A Geography of Tourism
2. Bhatia A.K., Sterling Publisher Ltd., New Delhi :Tourism Development, Principles and Practices
3. S.N. Singh (1985): Geography of Tourism and Recreation
4. Douglas Pearce(1987) Tourism Today : A Geographical Analysis :
5. Mathieson A. and Wall C, Logman, U.K :Tourism : Economic Physical and Social Impact :
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7. Maneet Kumar Tourism Today: An Indian Perspective
8. Hudman L.E. Geography of Travel and Tourism
9. Seth P.N (1985) Sterling Publisher Ltd., New Delhi Successful Tourism Management
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13. Shinde S.B, Phadke Prakashana Kolhapur 2: Geography of Tourism
14. Nagtode P.M., Prof. D.Pardhi. Vidya Prakashan Nagpur : Geography Tourism
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20. Gitanjali, Chaudhary, Gautam P.R., (2010): Tourism Geography, Centurian Press
21. Suryawanshi Rajendra (2012): Assessment of Potentials for Eco-tourism, Lambart Publication.

## **Gg-201 : FUNDAMENTALS OF GEOGRAPHICAL ANALYSIS**

From June 2014

Workload : Six periods per week per batch (12 Students Per Batch)  
(Examination for the Course will be conducted at the end of academic year)

### **Objectives:**

1. To enable the students to use various Projections and Cartographic Techniques.
2. To acquaint the students with basic of Statistical data.
3. To acquaint the students with the principles of surveying, its importance and utility in the geographical study.

### **SECTION- I**

<b>No</b>	<b>Topic</b>	<b>Learning Points</b>	<b>Exercises</b>	<b>No. of periods</b>
1	Maps and Scales	1. Maps : Meaning, definition and Types 2. Map Scale : Definition and Types	1. Map : Meaning, Definition and Types. 2. Map Scale : Definition and Types  Conversion of Verbal scale to numeric and vice-versa (in British and Metric Systems) i) Construction of simple graphical scale (Two examples) ii) Construction of comparative scale (Two examples)	15
2	Map Projection	1. Definition and need of Map Projection 2. Classification of map projection based on method of construction and developable surfaces used.	1. Zenithal Polar projection. i. Zenithal Polar Gnomonic Projection ii. Zenithal Polar Stereographic Projection. 2. Conical Projection : i. Projection with one standard parallel ii. Bonne's Projection 3. Cylindrical Projection i. Cylindrical equal area Projection. ii. Mercator's Projection 4. Conventional Map Projections i. Mollweide's Projection (Construction of above map projection with properties and uses of each group : one example from each hemisphere).	20
3	Data Representation by various techniques	1. Graphs and Diagrams	1. Simple Line Graph 2. Polygraph 3. Simple Bar Diagram 4. Compound Bar Diagram 5. Pie Diagram (Chart) 6. Choropleth Mapping Plotting & Presentation using computers	15

4	Basic analysis of Statistical Data	1. Population and Sample 2. Statistical Data and Frequency	1. Population, sample, Method of sampling, Characteristics of sample 2. Tally marks and frequency table. 3. Frequency distribution (histogram and polygon) 4. Cumulative Frequency and Ogive curve.	10
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## SECTION II

5	Surveying	1. Directions 2. Definition of Surveying 3. Types of Surveying  4. Measurement of Land	1. Various Methods of deciding North direction True, Magnetic and Grid North  2. Plane Table Survey. i. Radiation Method      ii. Intersection methods 3. Prismatic Compass Surveying Methods: i. Open Travers          ii. Close Travers  4. GPS Survey & Plotting Finding Latitude (X), Longitude (Y) and Altitude (Z). Plotting of X and Y on graph paper 5. Dumpy Level Survey Plotting by- i. Rise and Fall Method ii. Collimation Plane Method  6. At least exercise involving of actual measurement of piece of a land.	40
6	Field Excursion / Village/ Urban Survey	Visit two places of geographical interest anywhere in the country.	One short tour of two days duration and Preparation of tour report. OR One long tour more than five days and preparation of tour report	20

- Note :**
1. Use of stencils, log tables, computer and calculator is allowed.
  2. Journal should be completed and duly certified by practical in-charge and Head of the Department.
  3. Int. and Ext examiner should set jointly the question paper for each batch

### Reference Books :

1. Singh Leharaj, (1973) : Map Work and Practical Geography, Central Book Depot – Allahabad
2. D. Y. Ahirrao and E. K. Karanjkehele, (2002) : Pratyakshik Bhugol, Sudarshan – Nashik
3. P. G. Saptarshi and S. R. Jog, Statistical Methods
4. S. N. Karlekar, (2008) : Statistical Methods, Diamond – Pune
5. T. P. Kanetkar and S. V. Kulkarni, (1986) : Surveying and Leveling, Pune Vidyarthi Griha Prakashan – Pune
6. Arjun Kumbhare, Practical Geography
7. Pijushkanti Saha & Partha Basu. (2007), 'Advanced Practical Geography', Books and Allied (P) Ltd, Kolkata

# **SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE**

**Revised Structure of Syllabus for B.A. Geography to be Effective From**

**F.Y.B.A. – June, 2013**

**S.Y.B.A. – June, 2014**

**T.Y.B.A. – June, 2015**

<b>F.Y.B.A.</b>	
<b>G-1</b>	<b>Gg-110 Elements of Geomorphology</b>

<b>S.Y.B.A.</b>	
<b>G-2</b>	<b>Gg-210 Elements of Climatology and Oceanography</b>
	<b>OR</b>
<b>G-2</b>	<b>Gg-210 Geography of Disaster Management</b>
<b>S-1</b>	<b>Gg-220 Economic Geography</b>
	<b>OR</b>
<b>S-1</b>	<b>Gg-220 Tourism Geography</b>
<b>S-2</b>	<b>Gg-201 Fundamentals of Geographical Analysis</b>

<b>T.Y.B.A.</b>	
<b>G-3</b>	<b>Gg-310 Regional Geography of India</b>
	<b>OR</b>
<b>G-3</b>	<b>Gg-310 Human Geography</b>
<b>S-3</b>	<b>Gg-320 Agricultural Geography</b>
	<b>OR</b>
<b>S-3</b>	<b>Gg-320 Population and Settlement Geography</b>
<b>S-4</b>	<b>Gg-301 Techniques of Spatial Analysis</b>



**Equivalence of Syllabus in Geography (S.Y.B.A.)  
Effective From June 2014**

Old Syllabus (June 2009)		New Syllabus (June 2014)		Equivalent (Yes / No)
Gg-210	Geography of Human Resources	Gg-210	Elements of Climatology and Oceanography	No
Gg-210	Geography of Natural Hazards	Gg-210	Geography of Disaster Management	Yes
Gg-220	India: A Geographical Analysis	Gg-220	Economic Geography	No
Gg-220	China: A Geographical Analysis	Gg-220	Tourism Geography	No
Gg-201	Fundamentals of Geographical Analysis	Gg-201	Fundamentals of Geographical Analysis	Yes

**Equivalence of Syllabus in Geography (T.Y.B.A.)  
Effective From June 2015**

Old Syllabus (June 2010)		New Syllabus (June 2015)		Equivalent (Yes / No)
Gg-310 (G3)	Geography of Tropical Agriculture	Gg-310	Regional Geography of India	No
Gg-310 (G3)	Geography of Travel and Tourism	Gg-310	Human Geography	No
Gg-320 (S3)	Fundamental Concepts in Geography	Gg-320	Agricultural Geography	No
Gg-320 (S3)	Contemporary Issues and Geography	Gg-320	Population and Settlement Geography	No
Gg-301 (S4)	Techniques of Spatial Analysis	Gg-301	Techniques of Spatial Analysis	Yes

## **Structure /Pattern of Syllabus- T.Y.B.A**

**1. Title of the Course – Gg.-310: Regional Geography of India (G-3)**

**2. Preamble of the Syllabus**

- i. To understand the physical characteristics of India
- ii. To understand the cultural characteristics of India
- iii. To sensitize the students with development issues and policies and programmes designed for regional development.

**3. Introduction: Pattern –Annual (20 marks internal, 80 marks University)**

**4. Eligibility- S.Y.B.A. with Geography General at S.Y. B. A.**

**5. Examination-**

**A. Pattern of examination**

- i. Internal Term -End and University Exam.**
- ii. Pattern of Question Paper- 20 : 80**

**Internal Exam- 60 Marks = (Converted in to 20 Marks)**

**University Exam- 80 Marks**

**B. Standard of passing- Internal 08- University 32= Annual Marks 40**

**C. All Courses of F. Y. B. A. must be cleared**

**D. A.T.K.T.Rules- Yes**

**E. Award of class- S.Y.B.A. Pass**

**F. External students- S.Y.B.A. Pass with Geography General at S.Y. B. A.**

**G. Setting of Question Papers / Pattern of Question Paper**

**Internal Exam- 60 Marks = (Converted into 20 Marks)**

Question 1. Answer in 20 words- 14marks (any 7 out of 10)

Question 2. Answer in 50 words -08 marks (any 2 out of 4)

Question 3. Answer in 150 words- 18 marks (any 3 out of 5)

Question 4. Answer in 300 words- 20 marks (any 1 out of 2)

**University Exam- 80 Marks =**

Question 1. Answer in 20 words- 20 marks (any 10 out of 15)

Question 2. Answer in 50 words -10 marks (any 2 out of 4)

Question 3. Answer in 150 words- 20 marks (any 2 out of 4)

Question 4. Answer in 300 words- 30 marks (any 2 out of 4)

**G. Verification / Revaluation- Yes**

**6. Structure of the Course**

**a. Compulsory paper- T.Y.B.A. General**

**b. Optional paper- Yes**

**c. Question Paper and Papers etc. - One**

**d. Medium of Instructions- Marathi and English**

**7. Equivalence of Previous Syllabus along with Propose Syllabus- Yes**

**8. University Terms- Annual**

**9. Subject wise Detail Syllabus – As per attached Sheets**

**10. Recommended Books- Mentioned in Syllabus**

**Qualification of Teacher-M.A./M.Sc. (Geography), as per UGC and University norms**

## **Structure /Pattern of Syllabus- T.Y.B.A**

- 1. Title of the course – Gg.:310- Human Geography (G-3)**
- 2. Preamble of the Syllabus**
  - i. The objectives of this course are to acquaint the students with the nature of man-environment relationship and human capability to adopt and modify the environment under its varied conditions from primitive life style to the modern living.**
  - ii. To identify and understand environment and population in terms of their quality and spatial distribution pattern and to comprehend the contemporary issues facing the global community.**
- 3. Introduction: Pattern –Annual (20 marks internal, 80 marks University)**
- 4. Eligibility- S.Y.B.A. with Geography General at S.Y. B. A.**
- 5. Examination-**
  - A. Pattern of examination**
    - i. Internal Term -End and University Exam.**
    - ii. Pattern of Question Paper- 20 : 80**

**Internal Exam- 60 Marks = (Converted in to 20 Marks)**

**University Exam- 80 Marks**

- B. Standard of passing- Internal 08- University 32= Annual Marks 40**
- C. All Courses of F. Y. B. A. must be cleared**
- D. A.T.K.T.Rules- Yes**
- E. Award of class- S.Y.B.A. Pass**
- F. External students- S.Y.B.A. Pass with Geography General at S.Y. B. A.**
- G. Setting of Question Papers / Pattern of Question Paper**

**Internal Exam- 60 Marks = (Converted into 20 Marks)**

- Question 1. Answer in 20 words- 14marks (any 7 out of 10)**
- Question 2. Answer in 50 words -08 marks (any 2 out of 4)**
- Question 3. Answer in 150 words- 18 marks (any 3 out of 5)**
- Question 4. Answer in 300 words- 20 marks (any 1 out of 2)**

**University Exam- 80 Marks =**

- Question 1. Answer in 20 words- 20 marks (any 10 out of 15)**
- Question 2. Answer in 50 words -10 marks (any 2 out of 4)**
- Question 3. Answer in 150 words- 20 marks (any 2 out of 4)**
- Question 4. Answer in 300 words- 30 marks (any 2 out of 4)**

**G. Verification / Revaluation- Yes**

**6. Structure of the Course**

- a. Compulsory paper- T.Y.B.A. General**
- b. Optional paper- Yes**
- c. Question Paper and Papers etc. - One**
- d. Medium of Instructions- Marathi and English**

**7. Equivalence of Previous Syllabus along with Propose Syllabus- Yes**

**8. University Terms- Annual**

**9. Subject wise Detail Syllabus – As per attached Sheets**

**10. Recommended Books- Mentioned in Syllabus**

**Qualification of Teacher-M.A./M.Sc. (Geography), as per UGC and University norms**



## **Structure /Pattern of Syllabus- T.Y.B.A**

- 1. Title of the course – Gg.-320: Agriculture Geography (S-3)**
- 2. Preamble of the Syllabus**
  - i.** To introduce the students to the basic principles and concepts in Agriculture Geography
  - ii.** To acquaint the students with the applications of Agriculture Geography in different areas and development.
  - iii.** The main aim is to integrate the various factors of Agriculture development and to acquaint the students about this dynamic aspect of Agriculture Geography
- 3. Introduction: Pattern –Annual (20 marks internal, 80 marks University)**
- 4. Eligibility- S.Y.B.A. with Geography Special at S.Y. B. A.**
- 5. Examination-**
  - A. Pattern of examination**
    - i. Internal Term -End and University Exam.**
    - ii. Pattern of Question Paper- 20 : 80**

**Internal Exam- 60 Marks = (Converted in to 20 Marks)**

**University Exam- 80 Marks**

**B. Standard of passing- Internal 08- University 32= Annual Marks 40**

**C. All Courses of F. Y. B. A. must be cleared**

**D. A.T.K.T.Rules- Yes**

**E. Award of class- S.Y.B.A. Pass**

**F. External students- Not Eligible**

**G. Setting of Question Papers / Pattern of Question Paper**

**Internal Exam- 60 Marks = (Converted into 20 Marks)**

Question 1. Answer in 20 words- 14marks (any 7 out of 10)

Question 2. Answer in 50 words -08 marks (any 2 out of 4)

Question 3. Answer in 150 words- 18 marks (any 3 out of 5)

Question 4. Answer in 300 words- 20 marks (any 1 out of 2)

**University Exam- 80 Marks =**

Question 1. Answer in 20 words- 20 marks (any 10 out of 15)

Question 2. Answer in 50 words -10 marks (any 2 out of 4)

Question 3. Answer in 150 words- 20 marks (any 2 out of 4)

Question 4. Answer in 300 words- 30 marks (any 2 out of 4)

**G. Verification / Revaluation- Yes**

**6. Structure of the Course**

**a. Compulsory paper- T.Y.B.A. General**

**b. Optional paper- Yes**

**c. Question Paper and Papers etc. - One**

**d. Medium of Instructions- Marathi and English**

**7. Equivalence of Previous Syllabus along with Propose Syllabus- Yes**

**8. University Terms- Annual**

**9. Subject wise Detail Syllabus – As per attached Sheets**

**10. Recommended Books- Mentioned in Syllabus**

**Qualification of Teacher-M.A./M.Sc. (Geography), as per UGC and University norms**

## **Structure /Pattern of Syllabus- T.Y.B.A**

**1. Title of the course – Gg. 320: Population and Settlement Geography (S-3)**

**2. Preamble of the Syllabus**

- i.** The course is meant to provide an understanding of spatial and structural dimensions of population.
- ii.** The course is further aimed at familiarizing the students with global and regional distribution of population & equips them for comprehending the Indian situation.
- iii.** The aims of this course are to acquaint the students with the spatial and structural characteristics of human settlement under varied environment conditions.

**3. Introduction: Pattern –Annual (20 marks internal, 80 marks University)**

**4. Eligibility- S.Y.B.A. with Geography Special at S.Y. B. A.**

**5. Examination-**

**A. Pattern of examination**

- i. Internal Term -End and University Exam.**
- ii. Pattern of Question Paper- 20 : 80**

**Internal Exam- 60 Marks = (Converted in to 20 Marks)**

**University Exam- 80 Marks**

- B. Standard of passing- Internal 08- University 32= Annual Marks 40**
- C. All Courses of F. Y. B. A. must be cleared**
- D. A.T.K.T.Rules- Yes**
- E. Award of class- S.Y.B.A. Pass**
- F. External students- Not Eligible**
- G. Setting of Question Papers / Pattern of Question Paper**

**Internal Exam- 60 Marks = (Converted into 20 Marks)**

- Question 1. Answer in 20 words- 14marks (any 7 out of 10)
- Question 2. Answer in 50 words -08 marks (any 2 out of 4)
- Question 3. Answer in 150 words- 18 marks (any 3 out of 5)
- Question 4. Answer in 300 words- 20 marks (any 1 out of 2)

**University Exam- 80 Marks =**

- Question 1. Answer in 20 words- 20 marks (any 10 out of 15)
- Question 2. Answer in 50 words -10 marks (any 2 out of 4)
- Question 3. Answer in 150 words- 20 marks (any 2 out of 4)
- Question 4. Answer in 300 words- 30 marks (any 2 out of 4)

**G. Verification / Revaluation- Yes**

**6. Structure of the Course**

- a. Compulsory paper- T.Y.B.A. General**
- b. Optional paper- Yes**
- c. Question Paper and Papers etc. - One**
- d. Medium of Instructions- Marathi and English**

**7. Equivalence of Previous Syllabus along with Propose Syllabus- Yes**

**8. University Terms- Annual**

**9. Subject wise Detail Syllabus – As per attached Sheets**

**10. Recommended Books- Mentioned in Syllabus**

**Qualification of Teacher-MA./M.Sc. (Geography), as per UGC and University norms**



## **Structure /Pattern of Syllabus- T.Y.B.A**

**1.Title of the course – Gg.301:Techniques of Spatial Analysis (S-4)**

**2.Preamble of the Syllabus**

**i.** To introduce the students SOI Toposheets Arial Photographs & Satellite Image to acquire the knowledge physical & cultural features.

**ii.** To train the students to handle these statistics towards analyzing the geographical problems.

**3. Introduction: Pattern –Annual (100 MarksUniversity)**

**4. Eligibility- S.Y.B.A. with Geography as a special subject**

**5. Examination-**

**A.** Pattern of examination-

**University Exam- 100 Marks**

**B.** Standard of passing- **University - Annual marks 40**

**C.** ATKT rules- **Yes**

**D.** Award of class- **S.Y.B.A. Pass**

**E.** External students-**Not Eligible**

**F.** Setting of question papers / pattern of question paper

**University Exam- 100 Marks = As per scheme of marking**

**G.** Verification / Revaluation- **No**

**6. Structure of the Course**

**a.** Compulsory paper- **T.Y.B.A.**

**b.** Optional paper- **No**

**c.** Question paper and papers etc. – **As Per Batch**

**d.** Medium of instructions- **Marathi and English**

**7. Equivalence of previous syllabus along with propose syllabus- Yes**

**8. University terms- Annual**

**9. Subject wise detail syllabus – As per attached sheets**

**10. Recommended books- Mentioned in Syllabus**

**Qualification of teacher-M.A./M.Sc.( Geography), as per UGC and University norms**

**Savitribai Phule Pune University, Pune**

**T.Y.B.A**

**Gg. 301: Techniques of Spatial Analysis (S-4)**

**Effective from-June-2015**

**Workload: Six periods per week per batch (12 students for per Batch)**

**(Examination for the course will be conducted at the end of academic year).**

**Objectives:**

1. To Introduce the Students with SOI Toposheets and to acquire the Knowledge of Toposheet Reading/Interpretation.
2. To familiarize the students with the weather instruments and their applications in Geographical phenomena.
3. To acquaint the students with IMD weather maps and to gain the knowledge of weather map Reading / interpretation.
4. To train the students in elementary statistics as an essential part of geography.
5. To awareness about GIS among the students.

**Section - I**

Unit No.	Topic	Learning Points	Periods
1	Toposheets	a. Introduction to Survey of India (SOI) toposheets, Marginal Information, Grid reference, Conventional signs and symbols b. Types of toposheet/Indexing of toposheets i. 1: 1000000/Million sheet ii. 1:250000/Degree sheet/Quarter inch sheet iii. 1:100000/Half inch sheet iv. 1:50000/One inch sheet v. 1:25000 vi. 1: 5000	15
2.	Methods of Relief Representation	1. Methods of Relief Representation a. Qualitative :- Hachures, Hill shading, Layer Tint b. Quantitative:- Contours, Form lines, Bench Marks, Spot Heights, Triangulation Mark, Relative Height (r) 2. Representation of Relief features by Contours a. Concave Slope, Convex Slope, Steep Slope, Gentle Slope, Terraced / Uniform b. Conical Hill, Spur, Plateau, Ridge, Saddle, Pass, Cliff & Waterfall 3. Profile a. Drawing and Description of Cross Profile of any Region from toposheet b. Drawing and Description of Longitudinal Profile of a Road or a River	15
3.	Toposheet Reading, Interpretation & data generation	1. Reading of at least three SOI toposheets one each for Plain, Plateau and Mountainous/hilly Region 2. One day field Excursion for Orientation of toposheet, Observation and Identification of Geographical Features and Preparation of a Brief Report	15

4.	Application of Remote Sensing Techniques in Geography	1. Introduction of Aerial Photographs & Satellite Image 2. Stereoscopic View of Aerial Photographs & Satellite Image and Identification of Geographical features 3. Use of Computer open source software for visualization of Aerial Photographs & Satellite Image	15
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#### Section - II

5.	Weather Maps & Reading	a. Introduction to Weather Maps b. Symbols in Daily Weather Report used by India Meteorological Department (IMD) c. Isobaric pattern Cyclones, Anti cyclones, V shaped Cyclones, V Shaped Anti Cyclones , Col a. Reading of Weather Map of Three Seasons i. Summer ii. Monsoon iii. Winter b. One day visit to nearby weather station of IMD	12
6.	Geographical Data & Measures of Central Tendency	a. Spatial and Temporal data b. Discrete and Continuous series c. Grouped and Ungrouped data d. Meaning and description of central tendencies- Mean, Mode, Median e. Calculation of Mean, Mode, Median for ungrouped and grouped data (two examples each)	12
7.	Measures of dispersion	a. Variance and Standard deviation for ungrouped and grouped data (two examples each)	06
8.	Correlation & Regression Testing of Hypothesis,	a. Correlation and regression i. Concept of bivariate correlation and regression ii. Meaning of coefficient of correlation iii. Calculation of Pearson's Product-Moment iv. Correlation Coefficient (Two examples) v. Calculation of Spearman Rank order vi. Coefficient (Two examples) b. Parametric and Non-parametric tests i. Chi-square test (One-sample case only) ii. Student's t-test (Comparison of sample means)	10
9	Field Excursion/ Village Survey Report	a. One short tour of two days duration and preparation of tour report OR One long tour of more than five days duration anywhere in the country and preparation of tour report OR Village survey and preparation of report	20

#### Suggested Reading:

1. Aher A.B., Chodhari A. P. & Bharambe S.N. Techniques of Spatial Analysis Prashant Publication Jalgaon 2015
2. David Unwin, Introductory Spatial Analysis, Methuen, London, 1981.
3. Gregory, S. Statistical Methods and the Geographer, Longman, London, 1978.
4. Hammond R and P.S. McCullagh Quantitative Techniques in Geography: An Introduction, Clarendon Press, Oxford, 1974.
5. John P.Cole and Cuchlaine A. M. King, Quantitative Geography, John Wiley, London, 1968.
6. Johnston R. J., Multivariate Statistical Analysis in Geography, Longman, London. 1973.
7. Koutsoyiannis, Theory of Econometrics, Mcmillan, London, 1973.
8. Maurice Yeats, An Introduction to Quantitative Analysis in Human Geography, McGraw Hill, New York, 1974.



9. Aronoff S. Geographic Information Systems: A Management Perspective, DDL Publication Ottawa. 1989.
10. Burrough P.A . Principles of Geographic information Systems for Land Resource Assessment Oxford University Press, New York. 1986.
11. Fraser Taylor D.R. Geographic information Systems. Pergamon Press, Oxford. 1991.
12. Maquire D. J. M.F. Goodchild and D. W. Rhind (eds.), Geographic information Systems: Principles and Application. Taylor & Francis, Washington. 1991.
13. Mark S Monmonier . Computer-assisted Cartography. Prentice-Hall, Englewood Cliff, New Jersey, 1982.
14. Peuquet D.J. and D.F. Marble, Introductory Reading in Geographic Information Systems. Taylor & Francis, Washington. 1990.
15. Star J and J. Estes. Geographic Information Systems: An Introduction. Prentice- Hall, Englewood Cliff, New Jersey, 1994.
16. Peter Haggett, Andrew D. Cliff, & Allan Frey, Location Methods Vol. I and II, Edward Arnold, London, 1977.
17. Misra, R.P. and Ramesh, A. Fundamentals of Cartography, McMillan Co., New Delhi, 1986.
18. Pal, S.K. Statistics for Geoscientists — Techniques and Applications, Concept, New Delhi, 1998.
19. Robinson, A.H. et al.: Elements of Cartography, John Wiley & Sons, U.S.A., 1995.
20. Sarkar A.:K Practical Geography: A Systematic Approach, Oriental Longman, Calcutta, 1997.
21. Singh, R.L. and Dutt, P.K.: Elements of Practical Geography, Kalyani Publishers, New Delhi, 1979
22. Choudhar A. H., Choudhari J. V. Practical Geography, K. S. Publication, Pune (2013).

**Savitribai Phule Pune University, Pune**  
**T.Y.B.A**  
**Gg.: 310 Regional Geography of India (G-3)**  
**June 2015**

**Objective :-**

1. To acquaint the students with geography of our Nation.
2. To make the student aware of the magnitude of problems and Prospects at National level.
3. To help the students to understand the inter relationship between the subject and the society.
4. To help the students to understand the recent trends in regional studies.

**SECTION - I**

Sr. No.	Topic	Sup Topic	Learning Points	Periods
1	Introduction	Location , Extent and Geopolitical Significance	1.Historical Background 2.Location and Extent 3.Relationship with Neighboring Countries 4.Geopolitical Importance of Indian Ocean.	10
2	Physiography	Major Physiographic Regions and their Importance	1. The Northern Mountains 2.The North Indian Plains 3.The Peninsular Plateau 4.The Costal low lands 5.The Islands	12
3	Drainage	Drainage System of India The Himalayan River System The Peninsular River System	1.The Indus , The Ganga , The Brahmaputra 2.East Flowing Rivers- Mahanadi, Godavari, Krishna, Kaveri. 3.West Flowing Rivers- Narmada, Tapi, Mahi 4.Rivers of the Sahyadri - Amba & Damanganga	12
4	Climate	Characteristics , Origin and Mechanism of Monsoon, Various Seasons	1. Characteristics of Indian Climate 2.Role of Various Controlling Factors on Climate of India 3.Monsoon: Origin and Mechanism 4.Various Seasons and Weather Associated with them	11

**SECTION – II**

5	Soils and Natural Vegetation	Types and Distribution	Types of Soils and its Distribution Soil Degradation and Conservation Types of Natural Vegetation and its Distribution	12
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			Deforestation and Conservation	
6	Minerals and Energy Resources	Mineral Resources Energy Resources	1.Mineral Resources & its distribution Iron ore, Manganese, Bauxite, Copper 2.Energy Resources- a)Major Conventional & its Distribution Coal, Mineral Oil, Natural Gas b)Non-conventional - Hydroelectricity, Solar energy, Wind energy, Biogas, Atomic energy	12
7	Agriculture	Significance and Recent Trends in Agriculture	1. Significance of Agriculture in Indian Economy 2. Green Revolution 3. White Revolution 4.Blue Revolution 5. Livestock Resources, 6.Tissue Culture & Horticulture 7. Poly House and Agriculture	11
8	Planning and Development	Regional Planning and development	1.Concept, Objectives, Need, Nature of Regional Planning 2.Experience of Regional Planning in India 3.Regional Development of Maharashtra	10

#### Suggested Readings:

1. Aher A.B , Chaudhari A. P & Chaudhari Archana. Regional Geography of India Prashant Publication Jalgaon 2015
2. Deshpande C.D: India-A Regional Interpretation Northern Book Centre, New Delhi.1992.
3. Farmer, B.H.: An Introduction to South Asia. Methuen, London, 1983.
4. Govt. of India: India - Reference Annual, 2001 Pub. Div, New Delhi, 2001.
5. Govt. of India: National Atlas of India, NATMO Publication, Calcutta.
6. Govt. of India: The Gazetteer of India. Vol I & III Publication Division, New Delhi, 1965.
7. Learmonth, A.T.A. et.al(ed.) : Man and Land of South Asia Concept, New Delhi.
8. Mitra, A.: Levels of Regional Development India Census of India, Vol I, Part I-A (i) and (ii) New Delhi, 1967.
9. Routray, J.K.: Geography of Regional Disparity Asian Institute of Technology, Bangkok, 1993.
10. Shafi, M: Geography of South Asia, McMillan & Co., Calcutta, 2000.
11. Singh, R.L.(ed.): India: A Regional Geography. National Geographical Society. India, Varanasi, 1971.
12. Spate, O.H.K. and Learmonth, A.T.A.; India and Pakistan - Land, People and Economy Methuen & Co., London, 1967.
13. P. G. Saptarshi, J. C. More, V. R. Ugale & A. H. Musmade :A Geographical Region of India : Diamond Publication (2009) (Marathi)
14. Patil S. G., Suryawanshi R. S., Pachame S., Choudhar A. H. : Economic Geography, Atharav Prakashan, Pune. (2014) (Marathi).
15. Aher A. B. , Arekar R.: Commercial Geography, Atharav Prakashan, Pune. (2013) (Marathi).
16. Datt & Sunderm: Indian Economy (2014)

**Savitribai Phule, Pune University, Pune**  
**T.Y.B.A (General Geography) G-3**  
**Gg. 310:HUMANGEOGRAPHY**  
**From June 2015**

**Objectives:**

1. This course is to acquaint the students with the nature of man-environment relationship and human capability.
2. To adopt and modify the environment under its varied conditions from primitive life style to the modern living;
3. To identify and understand environment and population in terms of their quality and spatial distribution pattern.
4. To comprehend the contemporary issues facing the global community.

**Section – I**

Sr. No.	Topic	Learning Points	Periods
1	Introduction to Human Geography	a) Meaning and Definition of Human Geography. b) Nature, Scope and Importance of Human Geography, approach of Human Geography & Branches of Human Geography	10
2	Development of Human Geography	a) Pre-historical Period. b) Medieval Period of Human Geography. c) Modern Period of Human Geography. d) Concepts of Determinism, Possibilism, Stop and Go Determinism	13
3	Human Evolution and Races	a) Stages of Human Evolution. b) Meaning and Definition of Human Race c) Bases of Human Race d) Griffith Taylor's Theory of Human Race e) Pure and Mixed Races	12
4	Form of Adaptation to the Environment	a) Human life in Cold Region - ESKIMO b) Human life in Tropics - PYGMY and BUSHMEN	10

**Section – II**

5	Study of Indian Tribes	Regional Distribution of Tribes in India a) Bhil b) Gond c) Naga d) Tribes in Maharashtra	11
6	Human Culture	a) World Languages & their distribution b) World's Major Religions & their distribution d) Distribution of Languages & Religions in India	12
7	Movement of Mankind	a) Meaning and Definition of Migration b) Type of Migration c) Causes & Effects of Migration d) Migration in Modern Period	11
8	Population & Resources	a) World Population Distribution b) Effects of Population Growth on Natural Resources c) Malthus Theory of Population Growth d) Population as a Resource	11

**Suggested Readings:**

1. Aher A. B , Pail V. J. Human Geography Prashant Publication Jalgaon 2015
2. Aher A. B , Markad D.M. Human Geography Payal Publication Pune 2015
3. Bergwan, Edward E: Human Geography; Culture, Connections and Landscape, Prentice-Hall, New Jersey,1995.
4. Carr, M.: Patterns, Process and change in Human Geography. MacMillan Education, London,1987.
5. Fellman, J.L.: Human Geography—Landscapes of Human Activities. Brown and Benchman Pub., U.S.A., 1997.
6. DeBlij H.J.: Human Geography, Culture, Society and Space John Wiley, New York,1996.
7. Johnston, R.J. (editor): Dictionary of Human Geography Blackwell, Oxford, 1994:
8. Mc Bride, P.J.: Human Geography Systems, Patterns and Change, Nelson, U.K. and Canada,1996.
9. Michael, Can: New Patterns: Process and Change in Human Geography Nelson,1997
10. Rubenstein, J.H. and Bacon R.S.: The Cultural Landscape — an Introduction to Human Geography. Prentice Hall, India, New Delhi,1990.
11. Singh, K.N. :People of India, An introduction Seagull Books, 1992
12. Spate O.H.K. and Learmonth A.T.A. : India and Pakistan Methuen, London.1968.
13. U. V. Jagdale & P. G. Saptarshi: Human Geography (2007), Diamond Publication (Marathi)



**SAVITRIBAI PHULE UNIVERSITY OF PUNE**  
**T.Y.B.A. GEOGRAPHY**  
**Gg-320 – AGRICULTURAL GEOGRAPHY (S-3)**  
**From June – 2015**

**Objectives:** 1. To Introduce students Agricultural activities and its relation with Geography.  
2. To Familiarize the students with new modern technical methods and their applications in Agricultural activities.  
3. To enable students to apply Previously knowledge in Problems and Prospects in agriculture

**Section- I**

Sr. No.	Topic	Units	Sub Units	Periods
1	Introduction of Agricultural Geography	<b>A.</b> Meaning ,Nature & Scope <b>B.</b> Approaches  <b>C.</b> Importance <b>D.</b> Trends	Definition, Nature & Scope of Agricultural Geography Approaches 1. Regional approach 2. Systematic approach 3. Commodity approach 4. Recent approaches Importance of Agriculture in Indian Economy Recent Trends in Agriculture Geography	12
2	Determinates of Agriculture	<b>A.</b> Physical Factors <b>B.</b> Economic Factors  <b>C.</b> Social Factor  <b>D.</b> Technological Factors	1.Relief 2.Climate 3.Soil 1.Capital, 2.Transportation 3.Market, 4.Storage, 5. Export Import 1.Land holding, 2.Land fragmentation 3. Labour, 4.Traditional Methods 5. Farmers view towards agriculture 1. Irrigation 2.Mechanization 3.Manures, Fertilizers 4.Pesticides	15
3	Types of Agriculture	Characteristics of <b>A.</b> Subsistence Agriculture  <b>B.</b> Commercial Farming	1.Shifting Cultivation 2.Dry land farming 3.Intensive Subsistent farming  1.Mixed farming 2.Horticulture / Truck farming 3. Community farming	10
4	Problems & Prospects of Agriculture	Problems and Prospects with Indian examples	1.Natural 2.Economical 3.Social 4.Political	08

**Section II**

5	Role of irrigation in Agricultural Development	<b>A.</b> Need of Irrigation <b>B.</b> Types of Irrigation  <b>C.</b> Methods of Irrigation	1.Importan of irrigation 1.Canals 2.Lake 3.Well 4.Borewell & Tube well 1.Flood irrigation 2.Ring &Basin 3.Drip irrigation 4.Sprinkler irrigation	12
6	Dry Land farming And Watershade Management	<b>A.</b> Concept & Need  <b>B.</b> Methods of Watershed Management	1.Concept & Need, Dry Land Farming Management in India 2. Concept of Watershed Management <b>Methods :</b> 1. Continuous Contour Tranches (CCT) 2.Gabian Bunds, 3.Nala Bunding 4. Biological Bunds, 5. Kohlapur Type (K.T.) weir	15

			6. Vanrai Bunds, 7. Percolation Tanks 8. Farm Lake / Ponds, 9. Dams, 10. Barrages	
7	Allied Areas in Agriculture & Agriculture Development	Concept of Agricultural Development with new Techniques	1. Dairy farming 2. Poultry 3. Sheep and Goat farming 4. Nursery 5. Api Culture 6. Fish Farming 6. Poly houses 7. Tissue Culture 8. Food & Fruit Processing 9. Agro-Tourism	10
8	Sustainable Agricultural Development and Agriculture in India	A. Ecological Conservation  B. Characteristics of Indian agriculture	1. Waste Land Management 2. Organic farming 3. Crop rotation 4. Group Plantation 5. Pest and Weed Management 6. Agro Forestry 1. Green Revolution in India-Problems Associated with Indian Agriculture 2. National Agricultural Policy 3. Various Schemes of Central and State Govt. for Agricultural Development and Farmers	08

### Suggested Readings

1. Aher A. B., Salunkhe V. Agriculture Geography, Diamond Publication, Pune (2015)
2. Bayliss Smith, T.P. : The Ecology of Agricultural Systems. Cambridge University Press, London, 1987.
3. Berry, B.J.L. et. al. : The Geography of Economic Systems. Prentice Hall, New York, 1976.
4. Brown, L.R. : The Changing World Food Prospects - The Nineties and Beyond. World Watch Institute, Washington D.C., 1990.
5. Dyson, T. : Population and Food - Global Trends and Future Prospects. Routledge, London, 1996.
6. Gregor, H.P. : Geography of Agriculture. Prentice Hall, New York, 1970.
7. Grigg, D.B. : The Agricultural Systems of the World. Cambridge University Press, New York 1974.
8. Hartshorn, T.N. and Alexander, J.W. : Economic Geography. Prentice Hall, New Delhi, 1988
9. Mannion, A.M. : Agriculture and Environment Change. John Wiley, London, 1995.
10. Morgan W.B. and Norton, R.J.C. : Agricultural Geography. Methuen, London, 1971.
11. Morgan, W.B. : Agriculture in the Third World - A Spatial Analysis. Westview Press, Boulder, 1978.
12. Sauer, C.O. : Agricultural Origins and Dispersals. M.I.T. Press, Mass, U.S.A., 1969.
13. Singh, J. and Dhillon, S.S. : Agricultural Geography, Tata McGraw Hill Pub., New
14. Singh, J. and Dhillon, S.S. (1988), "Agricultural Geography", 2<sup>nd</sup> edition, Tata McGraw-Hill, New Delhi
15. Wigley, G.(1981), Tropical Agriculture: The Development of Production, 4<sup>th</sup> edition, Arnold, London
16. Saptarshi P.G., More J.C., Ugale V.R., Musmade A.H.(2009), "India A Geographical Analysis" Diamond, Pune.
17. Patil S. G., Suryawanshi R. S., Pacharne S., Choudhar A. H. : Economic Geography, Atharav Prakashan, Pune. (2014) (Marathi).



**Savitribai Phule, Pune University, Pune**  
**T.Y.B.A**  
**Gg-320: Population and Settlement Geography (S-3)**  
**Effective from-June-2015**

**Objective:-**

1. To provide an understanding of spatial and structural dimensions of population
2. To familiarizing the students with global and regional level problems.
3. To acquaint the students with the spatial, political and structural characteristics of human settlement under varied environmental conditions.

**Section-A. Population Geography**

Unit No.	Topic	Sub Topic	Learning Points	Periods
1	Introduction	Nature and Scope	Definitions, Nature and Scope of Population Geography	10
		Source of Population Data	Census, National Sample Survey, Sample Registration Survey, NFHS, DLHS Data, Demographic Surveys and other Sources	
2	Population Dynamics	Spatial Pattern of Distribution	1) Determinates of Distribution and Density of Population 2) Distribution of Population – World & Indian Scenario 3) Population Growth- Global & Indian Trend	10
		Composition of Population	Population Composition: Age and Sex, Rural-Urban & Economic	
3	Demographic Attributes	Human Migration	1. Migration-Classification, Determinants and Consequences of Migration. 2.Measures – Fertility, Morbidity and Mortality, Marital Status 3.Human Development Index 4. Illegal Migrations and its Impacts Migration and its Impacts on Smarts Cities and Smart Villages	14
		Theories of Population Growth	1) Demographic Transition Model [DTM] 2) Malthus: Population Theory	
4	Population Policies	Population Policies and Programmes	1.Population Policies in the Context of Growth, Structure, Distribution & Quality Life 2. Evolution of Family Welfare Programme in India 3.National Population Policies in India [After 1991]	11

**Section-B- Settlement Geography**

5	Introduction of Settlement Geography	Definition, Nature and Scope	Definition, Nature and Scope of Settlement Geography	12
		Characteristics	1) Characteristics of Settlement Geography 2) Branches of Settlement Geography	
6	Man-Environment Relationship	Factors Influencing the Growth and Distribution of Settlements.	1. Physical 2. Economic 3. Social 4. Political	10
7	Settlement	Site and Structure	Site, Situation, Type, Size, Spacing and Patterns	12

	Site and Structure		of Settlements	
8	Concepts of Settlement and Urbanization	Various Concepts with examples	1. Urbanization 2. Centrality 3. City Region 4. Urban Fringe 5. Rank-size Rule 6. Smart City Concept 7. Smart Village 8. C.B.D. 9. Hierarchy of Settlement	11

### Suggested Readings

1. Beaujeu-Garnier, J. : Geography of Population (Translated by Beaver, S.H.) Longmans, London, 1966.
2. Census of India 2001 Series-I India Provisional Population Totals. Published by Registrar General & Census Commissioner, India, 2001.
3. Census of India, 1991 India : A State Profile Published by office of the Registrar General of India, Census Operations, New Delhi.
4. Chandna, R.C. : Geography of Population: Concepts, Determinants and Patterns, Kalyani Publishers, New Delhi, 2000.
5. Clark J.I: Population Geography, Permagon Press, New York, 1965.
6. Sundram K.V. & Nangia Sudesh, (editors): Population Geography, Heritage Publishers, Delhi, 1986.
7. Peters: G.L. and Larkim R.P: Population Geography: Problems, Concepts and Prospects Kendele-Hunt Iowa, 1979.
8. Srinivasan K. and M. Vlassoff Population Development nexus in India: challenges for the new millennium. Tata McGraw Hill Publishing Co. Ltd., New Delhi 2001.
9. Trewartha, G.T. : A Geography of Population : World Patterns, John Wiley & Sons, Inc., New York, 1969.
10. Trewartha, G.T. : The More Developed Realm: A Geography of its Population, Pergamon Press, Oxford, 1978.
11. Trewartha, G.T.: The Less Developed Realm - A Population Geography, McGraw-Hill, New York, 1972.
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13. Zelinsky, W. : A Prologue to Population Geography, Prentice-Hall, Englewood Cliffs, 1966.
14. Carter H.: The Study of Urban Geography, Edward Arnold, London, 1972.
15. Chisholm, M.: Rural Settlement and Land Use, Hutchinson, London, 1970.
16. Clout, R.D. :Rural Geography, Pergamon Press, London, 1970.
17. Deshpande, C.D.: Shehre, Continental Prakashan, Pune, 1983 (Marathi).
18. Dickinson, R.E. City, Region and Regionalism, Kegan Paul, Trench, Trubner & Co., London, 1947.
19. Misra, H.N.(ed.) : Rural Geography, Heritage Publishers, New Delhi, 1987.
20. Money, D.C. : Patterns of Settlements, Evan Brothers, London, 1972.
21. Mukerji, R.K. : Man and His Habitation, Popular Books, Bombay, 1968.
22. Nangia S.: Delhi Metropolitan Region, Rajesh Publications, 1976.
23. Perpillou, A.: Human Geography, Longmans, London, 1966.
24. Singh, R.L.: Readings in Rural Settlement Geography, Banaras Hindu University, Department of Geography, Varanasi, 1972.



# **Savitribai Phule Pune University**

*(Formerly University of Pune)*

**Faculty of Science & Technology**

**F.Y.B.Com. (Geography)**

**Choice Based Credit System Syllabus**

**To be implemented from Academic Year 2019-2020**

## **Title of Course: B.Com. (Geography)**

### **Preamble of the syllabus**

- I. To understand the scope and content of commercial geography in relation to the spatial distribution of resources.
- II. To acquaint the students with the dynamic nature of commercial geography
- III. To acquaint the students with the dynamic nature of Trade and Transport.
- IV. To make students aware of the relationships between geographical factors and economic activities
- V.

Introduction Pattern – Semester (10 marks internal and 40 marks external in each semester)



## Detailed Syllabus:

Semester I – Elements of Commercial Geography - I

Semester II – Elements of Commercial Geography – II

### SEMESTER -I

#### Elements of Commercial Geography – I

##### Objectives:

1. To make students of the Commerce faculty aware of the correlations between Economic activities and Geographical factors.
2. To acquaint the students with various economic activities in Geographical Environment.
3. To acquaint the students with the dynamic aspects of resources and need for their conservation.
4. To make the students aware about the role and dynamics of population in Commerce.

##### Course Contents:

Unit No.	Unit	Sub Unit	No. of Periods
I	Introduction to Commercial Geography	a. Meaning and Definition of Commercial Geography	04
		b. Nature , Scope and Development of Commercial Geography	04
		c. Importance of Applied Commercial Geography	04
		d. Approaches to the study of Commercial Geography	04
II	Economic Activities in the Geographical Environment	a. Basic Economic Activities of Man i.Primary, ii Secondary, iiiTertiary, iv Quaternary, v.Quinary	04
		b. Factors affecting Economic activities of Man i.Physical or Natural	04
		ii. Cultural or Human	04
III	Economic Resources	a. Meaning and Types of Resources	02
		b. Classification of Resources i. Natural – Renewable, Non-Renewable, etc. ii. Man Made Resources – Quantitative and Qualitative	05





## SEMESTER –I

### Elements of Commercial Geography – II

#### Objectives:

1. To make students of the Commerce faculty aware of the correlations between Economic activities and Geographical factors.
2. To acquaint the students with the Industrial sector and the pollution associated with it.
3. To make the students aware of the changing role of transport and communication in Trade and Commerce.
4. To make the students aware of the role of tourism in development.
5. To acquaint students with basic cartographic techniques.

#### Course Contents:

Unit No.	Unit	Sub Unit	No. of Periods
I	Industry and Economic Development	a. Role of Industry in Economic Development. i. Classification of Industries ii. Factors affecting Industrial Location iii. Weber's theory of Industrial Location	05
		b. Major Industries in India i. Agro Based – Sugar, Cotton Textile ii. Assembly line Based – Automobile iii. Footloose and I.T. Industry	05
		c. Industrial Pollution	05
II	Trade , Transport and Communication	a. Types of Trade ,Factors affecting Trade, Balance of Payments for India, Major Trade Blocs and the role of W.T.O. in International Trade	05
		b. Classification of various means of Transport. Advantages and Disadvantages. Latest developments in India for:	04
		i Land Transport ( Road and Railway)	02
		ii Water Transport ( inland and Oceans)	02
		iii Air Transport	02
		c. Types of Communications and their use in Commerce i. Use of telecommunications, internet, Mobile phones in Trade	03

