

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

F.Y.B.A.	
G-1	Gg-110 Elements of Geomorphology

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

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

**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-**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.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 , Chaodhari A. P & Chaodhari 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., Pacharne 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) Bhill 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	A. Meaning ,Nature & Scope B. Approaches C. Importance D. 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	A. Physical Factors B. Economic Factors C. Social Factor D. 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 A. Subsistence Agriculture 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	A. Need of Irrigation B. Types of Irrigation C. 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	A. Concept & Need B. Methods of Watershed Management	1. Concept & Need, Dry Land Farming Management in India 2. Concept of Watershed Management Methods : 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

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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

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