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

<table>
<thead>
<tr>
<th></th>
<th>F.Y.B.A.</th>
<th>S.Y.B.A.</th>
<th>T.Y.B.A.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>F.Y.B.A.</strong></td>
<td></td>
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</tr>
<tr>
<td>G-1</td>
<td>Gg-110 Elements of Geomorphology</td>
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<tr>
<td><strong>S.Y.B.A.</strong></td>
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<tr>
<td>G-2</td>
<td>Gg-210 Elements of Climatology and Oceanography</td>
<td>OR</td>
<td></td>
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<tr>
<td>S-1</td>
<td>Gg-220 Economic Geography</td>
<td>OR</td>
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<tr>
<td>S-1</td>
<td>Gg-220 Tourism Geography</td>
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<td>S-2</td>
<td>Gg-201 Fundamentals of Geographical Analysis</td>
<td></td>
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<tr>
<td><strong>T.Y.B.A.</strong></td>
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<tr>
<td>G-3</td>
<td>Gg-310 Regional Geography of India</td>
<td>OR</td>
<td></td>
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<tr>
<td>G-3</td>
<td>Gg-310 Human Geography</td>
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<tr>
<td>S-3</td>
<td>Gg-320 Agricultural Geography</td>
<td>OR</td>
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<tr>
<td>S-3</td>
<td>Gg-320 Population and Settlement Geography</td>
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<tr>
<td>S-4</td>
<td>Gg-301 Techniques of Spatial Analysis</td>
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</tbody>
</table>
### Equivalence of Syllabus in Geography (S.Y.B.A.)
**Effective From June 2014**

<table>
<thead>
<tr>
<th>Old Syllabus (June 2009)</th>
<th>New Syllabus (June 2014)</th>
<th>Equivalent (Yes / No)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gg-210</td>
<td>Geography of Human Resources</td>
<td>No</td>
</tr>
<tr>
<td>Gg-210</td>
<td>Geography of Natural Hazards</td>
<td></td>
</tr>
<tr>
<td>Gg-220</td>
<td>India: A Geographical Analysis</td>
<td>No</td>
</tr>
<tr>
<td>Gg-220</td>
<td>China: A Geographical Analysis</td>
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<tr>
<td>Gg-201</td>
<td>Fundamentals of Geographical Analysis</td>
<td>Yes</td>
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</table>

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

<table>
<thead>
<tr>
<th>Old Syllabus (June 2010)</th>
<th>New Syllabus (June 2015)</th>
<th>Equivalent (Yes / No)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gg-310 (G3)</td>
<td>Geography of Tropical Agriculture</td>
<td>No</td>
</tr>
<tr>
<td>Gg-310 (G3)</td>
<td>Geography of Travel and Tourism</td>
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<tr>
<td>Gg-320 (S3)</td>
<td>Fundamental Concepts in Geography</td>
<td>No</td>
</tr>
<tr>
<td>Gg-320 (S3)</td>
<td>Contemporary Issues and Geography</td>
<td></td>
</tr>
<tr>
<td>Gg-301 (S4)</td>
<td>Techniques of Spatial Analysis</td>
<td>Yes</td>
</tr>
</tbody>
</table>


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 into 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 in 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 Marks University)
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
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

<table>
<thead>
<tr>
<th>Unit No.</th>
<th>Topic</th>
<th>Learning Points</th>
<th>Periods</th>
</tr>
</thead>
</table>
| 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                                    | 15      |
|         |                               | 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                       |         |
| 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      |
### Section - II

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  |
| 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  |
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)  |
| 7. | Measures of dispersion | a. Variance and Standard deviation for ungrouped and grouped data (two examples each)  |
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)  |
| 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  |

### Suggested Reading:
**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**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Topic</th>
<th>Sup Topic</th>
<th>Learning Points</th>
<th>Periods</th>
</tr>
</thead>
</table>
| 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  
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**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Topic</th>
<th>Sup Topic</th>
<th>Learning Points</th>
<th>Periods</th>
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</table>
| 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      |
<table>
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<tr>
<th>No.</th>
<th>Section</th>
<th>Description</th>
<th>Pages</th>
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</thead>
<tbody>
<tr>
<td>6</td>
<td>Minerals and Energy Resources</td>
<td>Mineral Resources &amp; Energy Resources</td>
<td>12</td>
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<tr>
<td></td>
<td></td>
<td>1. Mineral Resources &amp; its distribution Iron ore, Manganese, Bauxite, Copper</td>
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<td>2. Energy Resources-</td>
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<td>a) Major Conventional &amp; its Distribution Coal, Mineral Oil, Natural Gas</td>
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<td>b) Non-conventional - Hydroelectricity, Solar energy, Wind energy, Biogas,</td>
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<td></td>
<td>Atomic energy</td>
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<tr>
<td>7</td>
<td>Agriculture</td>
<td>Significance and Recent Trends in Agriculture</td>
<td>11</td>
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<tr>
<td></td>
<td></td>
<td>1. Significance of Agriculture in Indian Economy</td>
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<td></td>
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<td>2. Green Revolution</td>
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<td>3. White Revolution</td>
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<td>4. Blue Revolution</td>
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<td>5. Livestock Resources, Tissue Culture &amp; Horticulture</td>
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<td>6. Poly House and Agriculture</td>
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<td>8</td>
<td>Planning and Development</td>
<td>Regional Planning and development</td>
<td>10</td>
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<td>1. Concept, Objectives, Need, Nature of Regional Planning</td>
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<td>2. Experience of Regional Planning in India</td>
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<td>3. Regional Development of Maharashtra</td>
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**Suggested Readings:**

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

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

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<td>Study of Indian Tribes</td>
<td>Regional Distribution of Tribes in India</td>
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<td>d) Tribes in Maharashtra</td>
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<td>Human Culture</td>
<td>a) World Languages &amp; their distribution</td>
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<td>b) World’s Major Religions &amp; their distribution</td>
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<td>Movement of Mankind</td>
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<td>b) Type of Migration</td>
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<td>c) Causes &amp; Effects of Migration</td>
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<td>d) Migration in Modern Period</td>
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<td>Population &amp; Resources</td>
<td>a) World Population Distribution</td>
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<td>b) Effects of Population Growth on Natural Resources</td>
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<td>c) Malthus Theory of Population Growth</td>
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<td>d) Population as a Resource</td>
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</table>
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
### Section- I

<table>
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<td>Introduction of Agricultural Geography</td>
<td>A. Meaning, Nature &amp; Scope</td>
<td>Definition, Nature &amp; Scope of Agricultural Geography Approaches</td>
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<td>C. Importance</td>
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<td>D. Technological Factors</td>
<td>3. Labour, 4. Traditional Methods</td>
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<td>A. Subsistence Agriculture</td>
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<td>2. Horticulture / Truck farming</td>
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<td>3. Community farming</td>
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### Section II

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<td>A. Need of Irrigation</td>
<td>1. Importance of irrigation</td>
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<td>2. Ring &amp; Basin</td>
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<td>2. Concept of Watershed Management</td>
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<td>B. Methods of Watershed Management</td>
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<td>2. Gabian Bunds</td>
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<td>4. Biological Bunds, 5. Kohlapur Type (K.T.) weir</td>
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### Suggested Readings

**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**

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<th>Topic</th>
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<td>Introduction</td>
<td>Nature and Scope</td>
<td>Definitions, Nature and Scope of Population Geography</td>
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<td>Source of Population Data</td>
<td>Census, National Sample Survey, Sample Registration Survey, NFHS, DLHS Data, Demographic Surveys and other Sources</td>
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<td>Composition of Population</td>
<td>Population Composition: Age and Sex, Rural-Urban &amp;Economic</td>
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<td>3</td>
<td>Demographic Attributes</td>
<td>Human Migration</td>
<td>1. Migration-Classification, Determinants and Consequences of Migration&lt;br&gt;2. Measures – Fertility, Morbidity and Mortality, Marital Status&lt;br&gt;3. Human Development Index&lt;br&gt;4. Illegal Migrations and its Impacts Migration and its Impacts on Smarts Cities and Smart Villages</td>
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**Section-B- Settlement Geography**

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<td>Introduction of Settlement Geography</td>
<td>Definition, Nature and Scope</td>
<td>Definition, Nature and Scope of Settlement Geography</td>
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<td>Settlement</td>
<td>Site and Structure</td>
<td>Site, Situation, Type, Size, Spacing and Patterns</td>
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<td>Concepts of Settlement and Urbanization</td>
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<td>5. Rank-size Rule</td>
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<td>9. Hierarchy of Settlement</td>
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**Suggested Readings**