

**NORTH MAHARASHTRA UNIVERSITY,  
JALGAON**

**Syllabus For T.Y.B.A.  
GEOGRAPHY**

**(With effect from June, 2004)**

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 New Delhi)  
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 प्रा. पवार, प्रा. धापटे, प्रा. वराट  
 व प्रा. शिंदे  
 प्रा. वाविस्कर, प्रा. पाटील व  
 प्रा. शेवाळे

# NORTH MAHARASHTRA JALGAON

REVISED SYLLABUS  
 T.Y.B.A. - GEOGRAPHY  
 (With effect from J...

## STRUCTURE

G-3 Population Geography

OR

Political Geography

S - 3 Environmental Science

OR

Geography of Resources

S - 4 Practical Geography  
 Elements of Map Reading a

17:	20 Marks
	05 Marks
	25 Marks
	30 Marks
	10 Marks
	05 Marks
	05 Marks
	100 Marks

**NORTH MAHARASHTRA UNIVERSITY, JALGAON**  
**Syllabus For T.Y.B.A. Geography**  
**G - 3 - Population Geography**  
**(With effect from June, 2004)**

Unit No	Topic	Sub-Topics	Periods
1.	Introduction to population geography	i) Definition ii) Nature and scope iii) Types and sources of population data a) Primary and secondary data b) Primary, secondary and other sources c) Problems of population data	12
2.	Distribution of population	i) General distribution of world population - Dense, Medium, Sparse ii) Factors affecting the distribution of world population a) Natural factors - Location, Relief, Climate, Soil, Availability of water b) Economic and cultural factors - Transport, Resources, Industrial development, Urbanisation, Religious. iii) Population density - Definition, Types Arithmetic density, Economic density, Agricultural density & Critical density.	16
3.	Growth of population	i) Components of population growth Fertility, Mortality and Mobility ii) a) Birth rate - Definition, Types - Crude birth rate, Age specific birth rate & Total birth rate. b) Death rate - Definition, Types - Crude death rate, Age specific death rate, Age and sex specific death rate, Infant mortality.	12
4.	Population and resources.	Theories regarding population and resources a) Malthus theory b) Karlmarx theory c) Demographic transition model.	12

Unit No	Topic	Sub-Topics	Periods
5	Population composition	i) Biological composition a) Age composition - Meaning, Importance, Determinants, Age pyramids, Age groups, Age indices. b) Sex composition - Meaning, Importance of sex composition, Determinants of sex composition. ii) Cultural composition a) Religious composition b) Literacy composition c) Marital status	14
6	Movements of Mankind	i) Migration - Definition and meaning ii) Laws of migration iii) Types of migration - Internal and international iv) Causes of Migration v) Effects of Migration	12
7	Characteristics of Indian population	i) History of population growth in India since 1901. ii) Causes of high birth rate in India iii) Causes of declining death rate in India iv) Population problems in India & its remedies	14
8	India's population policy	i) Introduction ii) Indian population policies since independence iii) Policies affecting on fertility iv) Population regions of India a) Dynamic regions b) Prospective regions c) Problem regions	12

### Reference Books

1.	Geography of Population	J. B. Garnier Longmans. London (1966)
2.	Population Geography	Clarke J. L. Oxford University Press New York (1965)
3.	Fundamentals of Population Geography	Ghosh B. N. Sterling Publications, New Delhi (1985)
4.	Introduction to Population Geography	Chandna R. C.
5.	Principals of Population Studies	Bhende & Kanitkar Vinalaya Publishing house (1994)
6.	लोकसंख्या	अहिरराव, बलिझाड, घापटे, भोस
7.	लोकसंख्या भूगोल	डॉ. टी. एन. झोलप, निशिकंठि प्रकाशन, पुणे
8.	लोकसंख्या भूगोल	डॉ. सार्वत, आठवले, मुसबाई,
9.	लोकसंख्या भूगोल	डॉ. वा.चौ. काधोडे, केलास पब्लिकेशन, औरंगाबाद
10.	लोकसंख्या भूगोल	डॉ. ए.डी. घारपुरे, विंगळापुरे आणि कंपनी, नागपुरे
11.	लोकसंख्या शास्त्र	डॉ. राम बाघ
12.	लोकसंख्या भूगोल	प्रा. डी. ए. पाटील व सो. जयश्री पाटील

### Weightage of Marks

Unit I <sup>st</sup> and I <sup>nd</sup>	26 Marks
II <sup>nd</sup> and IV <sup>th</sup>	24 Marks
V <sup>th</sup> and VI <sup>th</sup>	26 Marks
VII <sup>th</sup> and VIII <sup>th</sup>	24 Marks
<b>Total Marks</b>	<b>100 Marks</b>

# NORTH MAHARASHTRA UNIVERSITY, JALGAON

## Syllabus For T.Y.B.A. Geography

### G - 3 - Political Geography

(With effect from June, 2004)

Unit No	Topic	Sub-Topics	Periods
1.	Introduction	i) Definition of political geography ii) Nature and Scope of political geography. iii) History and development of political geography iv) Ratzel's contribution to political geography	14
2	Geopolitics	i) Origin of geopolitics ii) German geopolitics iii) Mackinder's heartland theory iv) Spykman Rimland theory v) Geostrategy after II <sup>nd</sup> world war (U.S.A., China and India)	12
3	Evolution of state	i) Concept of state and nation ii) Centrifugal and centripetal force in the state iii) Difference between State and Nation iv) Factors affecting the State Location, Size, Relief and climate	14
4.	Frontiers and Boundaries	i) Definition of frontiers and boundaries ii) Classification of international boundaries iii) Boundaries of India especially Indo-Pak and Indo-China	12
5	Political geography of rivers	i) Role of rivers in the growth and development of State ii) Economic significance of the rivers iii) Conflicts related to rivers Ganga & cauvery	13
6	Territorial waters	i) Concept of territorial water ii) 5 Zones of territorial waters iii) Nature and problems of land locked countries	5

Unit No	Topic	Sub-Topics	Periods
7.	Political problems of population	i) Local problems related to population Problems of National minorities with Special reference to India and Shrilanka ii) Problems of over population with special reference to India	14
8.	Current political problems and political groups	i) Political problems in India (J & K, Assam) ii) Different political organization : SAARC, ASEAN and UNO	12

### Reference Books

1.	Political Geography	N. J. G. Pounds Mac Graw Hill, New York (1972)
2.	Systematic Political Geography	De Blig, H. J. & Glassner, Martin John Wiley, New York (1968)
3.	Political Geography	R. D. Dikshit Mac Graw Hill Pub. Ltd. New Delhi (1997)
4.	Modern Political Geography of India	Shukhwal Sterling Publishers, New Delhi (1968)
5.	राजकीय भूगोल	भागवत, सी. जोशी
6.	राजकीय भूगोल	जयकुमार शर्मा
7.	राजकीय भू-विज्ञान	प्रा. सी. ना. गुड्डे
8.	राजकीय भूगोल	डॉ. ए.टी. धारपुरे

### Weightage of Marks

Unit I <sup>st</sup> and II <sup>nd</sup>	30 Marks
III <sup>rd</sup> and IV <sup>th</sup>	20 Marks
V <sup>th</sup> and VI <sup>th</sup>	20 Marks
VII <sup>th</sup> and VIII <sup>th</sup>	30 Marks
Total Marks	100 Marks

**NORTH MAHARASHTRA UNIVERSITY, JALGAON**  
**Syllabus For T.Y.B.A. Geography**  
**S - 3 - Environmental Science**  
**(With effect from June, 2004)**

Unit No	Topic	Sub-Topics	Periods
1	Introduction	i) Definition ii) Nature - Dynamic, Interdisciplinary iii) Scope iv) Factors of Environment a) Physical factors b) Cultural factors	08
2	Ecosystem	i) Definition ii) Components - Abiotic, Biotic Structure a) Producers b) Consumers c) Decomposers Function - Energy flow in ecosystem a) Food chain b) Food web Nutrient cycles in ecosystem a) Carbon cycle b) Nitrogen cycle c) Oxygen cycle Ecological pyramid a) Number pyramid b) Energy pyramid iii) Types of ecosystem a) Tropical grass land b) Marine	20
3	Energy resources	i) Definitions ii) Types A) Conventional Energy Resources a) Coal, b) Mineral oil B) Non conventional energy resources a) Hydel power b) Solar energy	



Unit No	Topic	Sub-Topics	Periods
4.	Conservation of resources	Meaning of conservation Renewable & None renewable i) Soil, ii) Water, iii) Animal, iv) Forest	12
5.	Environmental pollution	i) Definition ii) Types a) Air Pollution - Definition, Causes, Effects and Remedies b) Water Pollution - Definition, Causes, Effects and Remedies c) Noise pollution - Definition, Causes, Effects and Remedies d) Solid waste pollution - Definition, Causes, Effects and Remedies	20
6.	Environmental hazards	Definition, Causes, Effects, Examples a) Geo Physical i) Earthquakes, ii) Cyclones b) Hydrological i) Floods, ii) Droughts c) Biological i) Weeds, ii) Pests	10
7.	Environmental management & planning	i) Needs of management & planning ii) Micro, Macro and Meso level planning iii) Long term & Short term with Indian examples.	10
8.	Emerging environmental issues	i) Global warming ii) Depletion of Ozone iii) Population explosion iv) Green house effect v) Acid rain	12

### Reference Books

1.	Environmental Geography	Savindra Singh Prayag Pustak Bhawan. Allahebad (2000)
2.	Introduction to Environmental Science	I. M. Moray
3.	Man & his Environment	L. P. Singh
4.	Environmental Science (Part I & II)	Ahirrao & Alizad S.S
5.	Hazard Geography	Roas Simon
6.	Environment & Pollution	Bais & Gupta
7.	Ecology	Odum
8.	Introduction to Environment Studies	Turk & Turk
9.	Environmental Issues & Themes	Agrawal S. K. (APN Publishing Corporation, New Delhi)
10.	पर्यावरण विज्ञान	अहिरराव, अलिझाद
11.	पर्यावरणशास्त्र	डॉ. जयकुमार मगर, औरंगाबाद
12.	पर्यावरणशास्त्र	सतरंग
13.	पर्यावरणशास्त्र	डॉ. ए. टी. घारपुरे
14.	प्रदूषण	श्रीपाव देशमुख
15.	आर्थिक क्रिया व पर्यावरणशास्त्र	डॉ. एस. आर. चौधरी व डॉ. एम. बी. भक्तांग
16.	नैसर्गिक आपत्ती व नियोजन	डॉ. आर. जी. पाटील
17.	पर्यावरणशास्त्र	सी. जयश्री पाटील
18.	माझे प्रयोग पर्यावरण - सैद्धीय शैली - पाणी	दशंतराव टाकरे

### Weightage of Marks

Unit I <sup>st</sup>	10 Marks
II <sup>nd</sup>	20 Marks
III <sup>rd</sup>	10 Marks
IV <sup>th</sup>	10 Marks
V <sup>th</sup>	20 Marks
VI <sup>th</sup>	17 Marks
VII <sup>th</sup>	10 Marks
VIII <sup>th</sup>	08 Marks
Total Marks	100 Marks

# NORTH MAHARASHTRA UNIVERSITY, JALGAON

Syllabus For T.Y.B.A. Geography

S - 3 - Geography of Resources

(With effect from June, 2004)

Unit No	Topic	Sub-Topic	Periods
1.	Introduction	<ul style="list-style-type: none"> <li>i) Definition</li> <li>ii) Significance</li> <li>iii) Nature and scope</li> <li>iv) Approaches to the study of geography of resources</li> </ul>	14
2.	Concept of resources	<ul style="list-style-type: none"> <li>i) Meaning and utilization of resources</li> <li>ii) Factors affecting the utilization of resources</li> <li>iii) Degradation of resources</li> </ul>	12
3.	Classification of resources	<ul style="list-style-type: none"> <li>i) Renewable and non renewable resources</li> <li>ii) Conventional and non conventional resources</li> <li>iii) Biotic resources</li> </ul>	13
4.	Mineral resources	<ul style="list-style-type: none"> <li>i) Importance of mineral resources</li> <li>ii) Classification of mineral resources</li> <li>iii) Characteristics of mineral resources</li> <li>iv) World distribution, Iron-Ore, Bauxite, Copper, Mica.</li> </ul>	13
5.	Power resources	<ul style="list-style-type: none"> <li>i) Importance of power resources</li> <li>ii) Classification and world distribution of power resources               <ul style="list-style-type: none"> <li>a) Exhaustible power resources coal and mineral oil</li> <li>b) Non exhaustible power resources Hydro-electricity, Solar energy</li> </ul> </li> </ul>	14
6.	Uses of biotic resources	<ul style="list-style-type: none"> <li>i) Ocean resources</li> <li>ii) Forest resources</li> <li>iii) Animal resources</li> </ul>	12

Unit No	Topic	Sub-Topics	Periods
7	Conservation of resources	i) Definition of conservation ii) Nature of conservation iii) A-biotic resources soil, Water	13
8.	Conservation of resources	i) Biotic resources ii) Forest resources iii) Animal resources	17

#### Reference Books

1.	Economic Geography	A Lexzandar J.
2.	Economic Geograthy	H. Robison
3.	Resource Geography	A. Ramesh/ R. Mistra
4.	साधनसंपत्ती भूगोल	डॉ. ए.डी. धारपुरे
5.	जैविक भूगोल	डॉ. ए.डी. धारपुरे
6.	पर्यावरण भूगोल	डॉ. साशा सुभाषबंद
6	साधनसंपत्ती	प्रा. डी. ए.सी. ए.सी. सी. ज. व. गी. ए.सी.

#### Weightage of Marks

Unit I <sup>st</sup>	20 Marks
II <sup>nd</sup> and III <sup>rd</sup>	20 Marks
IV <sup>th</sup> and V <sup>th</sup>	20 Marks
VI <sup>th</sup>	20 Marks
VII <sup>th</sup> and VIII <sup>th</sup>	20 Marks
Total Marks	100 Marks

# NORTH MAHARASHTRA UNIVERSITY, JALGAON

## Syllabus For T.Y.B.A. Geography

### S - 4 - Practical Geography

#### Elements of Map Reading and Statistical Methods

Work Load - 12 Students Per Batch & 6 Period per Week (Per Batch)

(With effect from June, 2004)

Unit No	Topic	Sub-Topics	Periods
1.	Topographical Maps	<p>1.1) Methods of representation of relief</p> <p>a) Qualitative method</p> <p>i) Hachures, ii) Form lines</p> <p>iii) Hill shading, iv) Colour tint</p> <p>b) Quantitative method</p> <p>i) Spot height, ii) Bench mark</p> <p>iii) Trigonometric station, iv) Contours</p> <p>1.2) Representation of relief features by contours</p> <p>a) Type of slopes</p> <p>i) Steep slope, ii) Concave slope</p> <p>iii) Convex slope, iv) Uneven slope</p> <p>v) Terraced slope</p> <p>b) Landforms of elevation</p> <p>i) Conical hill ii) Ridge iii) Pass</p> <p>iv) Plateau v) Escarpment</p> <p>c) Landforms of depression</p> <p>i) Gorge ii) 'V' shaped valley</p> <p>iii) 'U' shaped valley iv) Waterfall</p> <p>1.3) Drawing of profiles</p> <p>a) Cross profile</p> <p>b) Longitudinal profile</p> <p>c) Intervisibility</p> <p>1.4) Measurements of slopes by following methods</p> <p>a) Gradient, b) Degree</p> <p>c) Percentage, d) Mils</p> <p>1.5) Introduction to S.O.I. toposheets</p> <p>1.6) Indexing of toposheets</p> <p>1.7) Conventional signs and symbols of S.O.I toposheets.</p>	



Unit No	Topic	Sub-Topics	Periods
4.	Statistical Methods	4.1) Frequency Distribution a) Histogram b) Frequency Polygon c) Give Curve 4.2) Measures of Central Tendency a) Mean, b) Mode c) Median d) Quartiles. 4.3) Measures of Dispersion a) Mean Deviation b) Standard Deviation c) Quartile Deviation 4.4) Students "t" test and $\chi^2$ test (Chi-Square) 4.5) Correlation and Regression a) Spearman's Method b) Pearson's Method c) Simple Regression Equation	50
5.	Excursion / Village Survey	Excursion : Visit to a place of Geographical Interest and Submission of its Report OR Village Survey : Submission of Village Survey Report	

**Instructions to Paper setters and Examiners.**

1. Use of calculators is allowed
2. Village survey or excursion report should be related to any geographical subject and report should be at least 12 pages.

**Reference Books**

1.	Map Work and Practical Geography	R. L. Singh and Kanauja (Central Book Depot Allahabad)
2.	Fundamental of Cartography	R. P. Misra and A. Ramesh (Concept Publication Co. New Delhi)

3.	Map Work and Practical Geography
4.	Geographical Interpretation of Indian Topographical Maps
5.	Statistical Geography
6.	Remote Sensing- Principles & Applications
7.	Remote Sensing and Photo
8.	Map Interpretation
9.	संक्षिप्त भूगोल
10.	प्राथमिक भूगोल
11.	प्राथमिक भूगोल
12.	नकाशा शास्त्र
13.	नकाशा शास्त्र व सांख्यिकी भूगोल
14.	सर्वेक्षण आणि हवा स्थितीदर्शक नकाशा शास्त्र

Weightage of M

Unit I <sup>st</sup>	
II <sup>nd</sup>	
III <sup>rd</sup>	
V <sup>th</sup>	
VI <sup>th</sup>	
Journal	
Oral	
Total Marks	