



**DR. BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY,
AURANGABAD**



Revised Syllabus of

B.A. II - Year

Geography

Semester-III & IV

(with Credit & Semester Pattern)

[Effective from ²⁰¹³⁻¹⁴~~2012-13~~ onwards]

1-3-2013
Chairman

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B.O.S.

[Signature]
Princip
Jyotna Shikshan Prasarak Mandal Varjpur
KALA VARISH TSA MAHAVIDYALAYA
Sawangi By Pass Road Aurangabad-431008



Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
GEOGRAPHY
Curriculum Structure and Scheme of Evaluation for B.A.II
With effective from 2012-13

SEMISTER III									
Sr. No.	Course Code	Name of Subject	Scheme of Teaching (Periods / Week)				Scheme of Evaluation (Marks)		
			L	P	Total Credits	Theory	Theory	Practical/ Viva-voce	Total Marks
1	Geo. 106	Climatology	4	-	4	4	30	--	30
2	Geo. 107	Population Geography	4	-	4	4	30	--	30
(A) Total of Semester - III			8	-	8	8	60	--	60

SEMISTER - IV									
Sr. No.	Course Code	Name of the Subject	Scheme of Teaching (Periods / Week)				Scheme of Evaluation		
			L	P	Total Credits	Theory	Theory	Practical/ Viva-voce	Total Marks
1	Geo. 108	Oceanography	4	--	4	4	30	--	30
2	Geo. 109	Settlement Geography	4	--	4	4	30	--	30
(B) Total of Semester - IV			8	-	8	8	60	--	60

Annual Practical (Semester III & IV)

Sr. No.	Course Code	Name of the Subject	Scheme of Teaching (Periods / Week)				Scheme of Evaluation		
			L	P	Total Credits	Theory	Theory	Practical/ Viva-voce	Total Marks
3	Geo. 110	Practical-Paper-X	-	4	4	4	-	80	80
(C) Total of Semester - III & IV			-	4	4	4	-	80	80

*PER WEEK THEORY PERIOD - 08 & PRACTICAL PERIOD - 04



**DR. BABASAHEB AMBEDKAR MARATHWADA
UNIVERSITY, AURANGABAD
STRUCTURE OF THE B.A. SECOND YEAR
SYLLABUS GEOGRAPHY PAPERS
(SEMESTER PATTERN)
Semester - III**

Paper No.	Title of the Paper	Total Marks	No. of Periods Week
Paper - VI	Climatology	30	04
Paper - VII	Population Geography	30	04

❖ Total Periods per week = 12
One Practical having 04 periods

Semester - IV

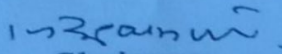
Paper No.	Title of the Paper	Total Marks	No. of Periods Week
Paper - VIII	Oceanography	30	04
Paper - IX	Settlement Geography	30	04

Total Periods per week = 12
One Practical having 04 periods

Annual Practical (Semester III & IV)

Paper No.	Title of the Paper	Total Marks	No. of Periods Week
Practical - X Paper	Practical Geography	80	04

*PER WEEK THEORY PERIOD - 08 & PRACTICAL PERIOD - 04


Chairman
BOS in Geography



**B.A. II - Semester - III
Paper - VI
Climatology**

Unit I	: Weather and Climate - Definition, nature and scope of Climatology, Significance of Climatology, Composition and structures of atmosphere, weather and climate.	Mark : 30 Periods-10 Marks-6
Unit II	: Insolation and Temperature - Definition of Insolation and Temperature, Heat Budget of the Earth, Factors affecting the distribution of Solar energy, Distribution of Temperature - Vertical and Horizontal, Range of Temperature.	Periods - 20 Marks- 08
Unit III	: Atmospheric Pressure and Winds- Evaporation and Condensation, Hydrological cycle, Types of precipitation, World pattern of rainfall. regional and seasonal distribution, Air Masses and Fronts :Concept, Classification and properties. Atmospheric disturbance : Tropical and Temperate cyclones: thunderstorms and tornadoes.	Periods-20 Marks-08
Unit IV	: Role of Climate in human life:- Atmosphere pollution and global warming, general causes, consequences and measures of control.	Periods-10 Marks-08

Recommended Books -

- 1] Barry R.G. and Chorley R.J. : Atmosphere, Weather and Climate, Routledge. 1998.
- 2] Critch Field H. : General Climatology, Prentice, Hall, New York, 1975.
- 3] Lydolph, Paul, E. : The Climate of the Earth, Rowman and Allanheld, Totowa N.J. 1958.
- 4] Triwartha G.T. : An Introduction to Climate, International Student's edition, McGraw- Hill, New York, 1975
- 5] डॉ.जयकुमार मगर : हवामानशास्त्र.
- 6] प्रा.के.चं व प्रा. सपदी :- हवामानशास्त्र.



**B.A. II - Semester - III
Paper- VII
Population Geography**

Mark : 30

Unit I	:	Population Geography - Definition, nature, scope and Significance, Sources of population data.	Periods-10 Marks-06
Unit II	:	Distribution of population - Factors affecting on population distribution and density. Population distribution patterns - World and India. Density, mortality and fertility population regions of the World..	Periods - 20 Marks-08
Unit III	:	Composition of Population - Age and sex composition, rural- urban composition, Economic composition; determinates, World regional patterns; Composition, of population in India.	Periods-20 Marks-08
Unit IV	:	Migration - Meaning, classification and their determinates and consequences of migration, Migration in India.	Periods-10 Marks-08

Recommended Books -

- 1] Beaujeu Granier J : Geography of Population, Longman, London, 1966.
- 2] Chandana R.C. : Geography of Population, Kalyani Pub. Ludhiyana, 1988.
- 3] Clark John I. : Population Geography, Permagon Press, New Yourk, 1995.
- 4] Ghosh B.N. : Fundamentals of Population Geography.
- 5] Peters G.I. and Larkim R.P. : Populating Geography - Problems, concepts and prospects, Kendele Hunt Lowa, 1979.
- 6] Sawant and Athawale A.S. : Population Geography, Metha, Kolhapur.
- 7] Smith T.L. (1960) : Fundamental of Population Studies, Lipineott, London.



B.A. II - Semester - IV

**Paper - VIII
"Oceanography"**

Mark : 30

Unit I	: Introduction of Oceanography - Definition, Nature and Scope, Surface configuration of Ocean floors.	Period -10 Marks -06
Unit II	: Submarine Relief- General idea of submarine relief- Continental shelf, Continental slope, Abyssal plains, Oceanic trenches and deeps, Hypsographic Curve, Relief of Atlantic, Pacific and Indian Oceans.	Period -20 Marks -08
Unit III	: Salinity and Temperature of Oceanic Water- Salinity of ocean water, its meaning, causes of salinity, Factors affecting on salinity of oceanic water, Distribution of salinity in the World. Factors affecting the temperature of ocean water, Distribution of temperature in ocean water.	Period -20 Marks -08
Unit IV	: Marine Deposits and Coral Reefs- Ocean deposits- Shallow sea deposits, Deep sea deposits, Types of Corals. Ocean as a storehouse of resources for the future.	Period -10 Marks -08

Recommended Books :

- 1] Grald S. : General Oceanography - An Introduction, John Wiley & sons, New York, 1980.
- 2] Garrison T. : Oceanography, Words worth, Com. USA, 1998
- 3] Sharma and Vithal : Oceanography.
- 4] Savindra Singh: Oceanography.
- 5] Davis Richard J. : Oceanography- An Introduction to Marine Environment, W.M.C. Brooth Flowa, 1987.
- 6] Hussain M. : Climatology and Oceanography.



**B.A. II - Semester - IV
Paper - IX
"Settlement Geography"**

Mark : 30

Unit I	: Settlement Geography - Nature, scope and content. Definition of rural and urban Settlements, merits and limitations.	Period -10 Marks -06
Unit II	: Settlement site and structure - Internal Morphology, external forms, field patterns, Functions and house types.	Period -20 Marks -08
Unit III	: Spatial organization - Size, spacing and hierarchy of settlements; emergence and characteristics of urban settlement.	Period -20 Marks -08
Unit IV	: Silent features of human settlements in India.	Period -10 Marks -08

Recommended Books :

- 1] Bose A. : India's Urbanization 1947-2000, Tata McGraw Hill, New Delhi.
- 2] Carter H. : The Study of Urban Geography, Edward Arnold, London.
- 3] Chisholm M. (1972): Rural Settlement and Land use, London.
- 4] Clot R.D. (1970) : Rural Geography, Pergaman Press, London.
- 5] Singh R.L. Reading in Rural Geography. Banaras Hindu University, Varansashi.
- 6] Singh R.Y. (1994) : Geography of Settlement, Rawat Publication, Jaipur and New Delhi.
- 7] Turner Roy (1962) : Indian Urban Future, Oxford University Press, Bombay.



**ANNUAL PRACTICAL
(For III & IV Semester)
Paper- Practical Geography
Paper No. - X**

**Total Mark : 40
Marks -14
Period -20**

- Unit I** : Mechanism and Uses of Weather Instruments
- I. Thermometer
 - II. Maximum and Minimum Thermometer
 - III. Dry and Wet Bulb thermometer
 - IV. Aneroid Barometer
 - V. Fortin's Barometer
 - VI. Wind Vane
 - VII. Cup Anemometer
 - VIII. Rain Guage
 - IX. Hygrometer

- Unit- II** **A)** Conventional Signs and Symbols Used in IDWR **Marks -04**
Period -05
- B)** Interpretation of IDWR of Winter Season, Summer Season, Rainy Season (At least one Map of each Season) Attach the Copy of Studied IDWR. **Marks -10**
Period -15

- Unit III** **A)** Cartographic Techniques, Definition- Nature & Scope, Importance of Cartography **Marks - 04**
Period -05
- B)** Representation of Climatic Statistical data by Using Following Cartographic Techniques. **Marks -10**
Period -20
- i) Climograph
 - ii) Hythergraph
 - iii) Star Diagram
 - iv) Wind Rose
 - v) Ergograph
 - vi) Isobars
 - vii) Isotherms
 - viii) Isohyets

- Unit IV** Representation of Statistical Data by Using following Methods **Marks -14**
Period -25
- i) Line and Bar graph



- ii) Polygraph
- iii) Divided Circle
- iv) Rectangle Divided
- v) Dot Method
- vi) Choropleth Map
- vii) Proportional Circle (Located)
- viii) Proportional Square (Located)
- ix) Proportional Cube (Located)
- x) Proportional Sphere (Located)

Unit V	A) Latitude, Longitude, Direction, Area and Great Circle	Marks -04 Periods-05
	B) Map Projection- Definition and Classification of Map Projection	Marks -04 Periods-05
	C) Construction, Properties, Uses & Choice of the following Map Projection -	Marks -10 Periods-20
	i) Zenithal Polar Gnomonic Projection	
	ii) Zenithal Equal Area Projection	
	iii) Simple Conical Projection	
	iv) Conical Projection with two standard parallel	
	v) Simple Cylindrical Projection	
	vi) Cylindrical Equal Area Projection	
Unit VI	Certified Journal and Viva-Voce	Marks - 10

Recommended Books :

- 1] Monkhouse F.G. & Willinson H.R. : Maps and Diagrams, Methues, London, 1994.
- 2] Singh R.L. : Elements of Practical Geography, A Kalyani Pub. New Delhi.
- 3] Steers J.A. : Map Projections, University of London Press, London.
- 4] Bygoot J. : An Introduction to Map Work and Practical Geography, University Titorial, London, 1964.
- 5] Sarkar, A.K. : Practical Geography- A Systematic approach, Orient Longman, Culcutta, 1997.