

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



Revised Syllabus of

B.A. III Year

Geography

Semester-V & VI

**[Effective from ~~2012-13~~ onwards]
2014-15**

15/3/2014
Chairman
B.O.S.

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

Sr. No.	Paper Code	Paper No.	Name of Paper	Scheme of Teaching (Periods / Week)				Scheme of Evaluation		
				L	P	Total Credits	Theory	Theory	Practical / Viva-voce	Total Marks
1	GEO 111	Geo. XI	Physical Geo. Of India	4	-	4	4	30	--	30
2	GEO 112	Geo. XII	Geography of Environment	4	-	4	4	30	--	30
(A) Total of Semester-V				8	-	8	8	60	-	60

SEMISTER V - MAIN

Sr. No.	Paper Code	Paper No.	Name of Paper	Scheme of Teaching (Periods / Week)				Scheme of Evaluation		
				L	P	Total Credits	Theory	Theory	Practical / Viva-voce	Total Marks
1	GEO 113	Geo. XIII	Industrial geography of Maharashtra	4	-	4	4	30	--	30
2	GEO 114	Geo. XIV	Geography of resources	4	-	4	4	30	--	30
(B) Total of Semester - V Main				8	-	8	8	60	--	60

- Total period per paper , per week -4
- One practical having 4 period
- Practical batch - one batch 20 student

15/2/2012

**Dr. Babasaheb Ambedkar Marathwada University,
Aurangabad**

GEOGRAPHY

Curriculum Structure and Scheme of Evaluation for B.A. – III

With effective from 2012-13

SEMISTER VI – Subsidiary

Sr. No.	Paper Code	Paper No.	Name of Paper	Scheme of Teaching (Periods / Week)				Scheme of Evaluation		
				L	P	Total Credits	Theory	Theory	Practical/ Viva-voce	Total Marks
1	GEO 115	Geo. XV	Agricultural geography of India	4	--	4	4	30	--	30
2	GEO 116	Geo. XVI	Geography of natural calamity	4	--	4	4	30	--	30
Total Semester VI (Subsidiary)				8	--	8	8	60	--	60

Annual Practical - SEMISTER V & VI – Subsidiary

Sr. No.	Paper Code	Paper No.	Name of Paper	Scheme of Teaching (Periods / Week)				Scheme of Evaluation		
				L	P	Total Credits	Theory	Theory	Practical/ Viva-voce	Total Marks
1	GEO 117	Geo. Prct. XVII	Practical- XVII	-	4	4	--	-	80	80

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

15/2/2013

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GEOGRAPHY

Curriculum Structure and Scheme of Evaluation for B.A. III

With effective from 2012-13

SEMESTER VI – MAIN

Sr. No.	Paper Code	Paper No.	Name of Paper	Scheme of Teaching (Periods / Week)				Scheme of Evaluation		
				L	P	Total Credits	Theory	Theory	Practical / Viva-voce	Total Marks
1	GEO 118	Geo. XVIII	Urban geography	4	--	4	4	30	--	30
2	GEO 119	Geo. XIX	Bio-geography	4	--	4	4	30	--	30
Total Semester VI (Main)				8	-	8	8	60	--	60

Annual Practical - SEMESTER V & VI – MAIN

Sr. No.	Paper Code	Paper No.	Name of Paper	Scheme of Teaching (Periods / Week)				Scheme of Evaluation		
				L	P	Total Credits	Theory	Theory	Practical / Viva-voce	Total Marks
4	GEO 120	Geo. Prc. XX	Practical-	-	4	4	--	-	80	80

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

- Total period per paper , per week -4
- One practical having 4 period
- Practical batch – one batch 20 students

1-3 per week

**B.A. III Year
Semester-V- Subsidiary
Paper No.XI**

Mark : 30

Physical Geography of India

- Unit I** : India in the context of south east and south Asia. India: a land of diversities, unity within diversities, Shape, size, physical landscape of India
- Unit II** : Drainage systems of India their functional significance Climate: Regional and seasonal variations of climate. The monsoons.
- Unit III** : Soil types of India their distribution and characteristics
- Unit IV** : Natural Vegetation: Forest types and their distribution. In India.

Suggested Books :

- 1) **C.D. Deshpande** :- India A regional Interpretation Northern Book center New Delhi.
- 2) **Farmer B.H.** :- An Introduction to south Asia Methuen London 1983.
- 3) **Govt of India** :- Reference Annual 2001.
- 4) **Mohammad Shafi** :- Geography of south Asia Mac Millan and co. Calcutta.
- 5) **Singh R.L.** :- India a regional Geography National Geographical society India.
- 6) **Wadia D.N** :- Geology of India Mcmillan and co. London 1967.

**B.A. III Year
Semester-V- Subsidiary
Paper No.XII**

Mark : 30

Geography of Environment

- Unit I** : Definition of environment science, nature and scope of environment, Types of environment.
- Unit II** : Ecology, Abiotic or physical factors, Temperature, soil, water, atmosphere, Biotic or Non Physical factors, organism, population and Biotic community.
- Unit III** : Ecosystem coordinial principles of Ecosystem. structure of Ecosystem (Producer, Consumer, Decomposer), Nutrient Cycling (Carbon cycle, oxygen cycle, Nitrogen cycle), Function of Ecosystem, Energy flow, food chain, food web, Ecological pyramid. Types of Ecosystem (Natural Ecosystem and Cultural Ecosystem)
- Unit IV** : Problems of Ecosystem and environment
Global warming, food security, Deforestation, Plastic bags, Acid rainfall.

Reference Books

- | | |
|--|---------------------|
| 1. Environmental Science | Bernarl Nebel |
| 2. Introduction to Environmental study | J. Turk |
| 3. Environmental Science | W.R. Ahirao |
| 4. Ecology | E.P. Odum |
| 5. Environmental Protection | Parab Diwan |
| 6. पर्यावरण विज्ञान | प्रा. वा.र. आहेरराव |
| 7. पर्यावरण शास्त्र | डॉ. मगर जे. के. |
| 8. पर्यावरण शास्त्र | डॉ. घारपूरे |

**B.A. III Year
Semester-V- Main
Paper No.XIII**

Mark : 30

Industrial Geography of Maharashtra

Unit I : Nature, scope and recent developments of Industry In Maharashtra. Elements and factors of localization of Industries.

Unit II : Distribution and spatial pattern of Industries in Maharashtra.

1. Cotton and Textile Industries
2. Petro chemical Industries
3. Sugar cane Industries
4. Automobile Industries

Unit III : Industrial belt in Maharashtra and their Characteristics, Impact of industries on economic development of Maharashtra.

Unit IV : Role of globalization Industrial sector, shifting of industries and its impact on the urban fringe, Changing industrial policy in Maharashtra.

Reference Book

- | | |
|-----------------------|---|
| 1. Alexander J.W. | Economic Geography Prentice Hall
Engle wood cliffs 1988. |
| 2. Dr. Keche P.J. | Geography of Maharashtra. |
| 3. Dr. C.D. Deshpande | Maharashtra |
| 4. Dr. Subhash Sarang | महाराष्ट्राचा भूगोल |

**B.A. III Year Geography
Semester-V- Main
Paper No.XIV**

Mark : 30

Geography of Resources

- Unit I** : Meaning, Nature and Scope of Resource
Geography, Significance of natural resources.
- Unit II** : Classification of Resources-
Renewable and Non-renewable Resources: Biotic:
forest
Wildlife, livestock, fisheries agricultural crops
abiotic-land, water and minerals.
- Unit III** : Distribution and utilization of water, mineral and
Energy resources.
- Unit IV** : Conservation of major resources-Soil, Water, forest
and minerals.

Reference book

Alexander J. Economic Geography

Dashgupta Economic and Commercial Geography

Hardshone, T.A. Economic Geography

डॉ.विठ्ठल धारपुरे साधन संपत्ती भूगोल 2000

**B.A. IIIrd Year Geography
Semester-VI- Subsidiary
Paper No. XV**

Mark : 30

Agricultural Geography of India

- Unit I : Nature, scope significance and development of Agricultural geography. Origin and dispersal of Agricultural in India.
- Unit II : Agriculture in India: Agricultural landuse, cropping Pattern, Regional pattern of productivity in India. Agricultural policy in India
- Unit III : Distribution and production of major crops in India
1) Rice 2) Wheat 3) Jowar
4) Cotton 5) Sugarcane 6) Tea
- Unit IV : Green Revolution in India.

Reference Book

1. Gregor H.P Geography of Agriculture prentice Hall
New York 1970
2. Harlshorn T.N. and Economic Georaphy Prentice Hall New
Alexander. J.W. Delhi.
3. Singh J and Dhillon Agricultural Geography Tata Mcgraw
S.S. Hill Pub New Delhi 1988.
4. Tarrant J.R. Agricultural Geography wiley New York
1974.
5. Mazid Hussain Agricultural Geography.

**B.A. III Year
Semester-VI- Subsidiary
Paper No. XVI**

Mark : 30

Geography of Natural Calamities

- Unit I** : Definition Nature and scope of Natural Calamities
- Unit II** : Earthquake, and volcano, causes and effect of Earthquake and volcano, world distribution of earthquake and volcano.
- Unit III** : drought and floods
 1. Meteorological drought
 2. Hydrological drought.
 3. Agricultural drought.
 causes and effects of drought, drought-prone-areas
 Flood cause and effects
 Biological Hazards
- Unit IV** : Global warming and green House effects,
 Ozone deflation, Pollution Types, (Air, Water, and Soil)

Reference Book

- | | |
|-------------------------------|--|
| 1. Biogeography | H. Robinson |
| 2. World Resources | 1990-91 |
| 3. Man, space and Environment | P.W. English and R.C. Mayfield |
| 4. Atmospheric pollution | Elsomderekar |
| 5. Environmental Management | L.R. Singh , R.C. Tiwari and R.P. Shrivastav |
| 6. पर्यावरण विज्ञान | प्रा. वा.र. आहेरराव |
| | प्रा. अलिझाड |
| 6. पर्यावरण शास्त्र | डॉ. मगर जे. के. |
| 7. पर्यावरण शास्त्र | डॉ. घारपूरे |

B.A. III Year
ANNUAL PRACTICAL FOR SUBSIDIARY
(V & VI Semester)
Geography Practical
Paper - XVII (SUB)

	Marks - 80
Unit 1 - Measures of Central Tendency -	Marks - 15
i. Mean	
ii. Median	
iii. Mode	
Unit 2 - Measures of Deviation -	Marks - 15
i. Mean Deviation	
ii. Quartile Deviation	
iii. Standard Deviation	
Unit 3- Correlation -	Marks - 15
i) Spearman's Method	
ii) Karl Pearson's Method	
Unit 4- i. Regression equation by Least Square Method	Marks - 15
ii. Regression Line 'X' on 'Y'	
iii. Regression Line 'Y' on 'X'	
iv. Chi-Square Test	
Unit 5- Participation in Geographical Excursion and Report Writing	Marks - 10
Unit 6- Certified Journal and Viva - voce	Marks - 10

Recommended Books -

1. Elements of Practical Geography - Singh R.L.
2. Statistical Geography - Zamir Alvi
3. Statistical Geography - Negi B.S.
4. Practical Geography - Dr. Jaykumar Magar (Marathi Version)
5. Practical Geography - Dr. Kumbhar (Marathi Version)
 Practical Geography - Dr. Nagtode (Marathi Version)

**B.A. III Year
Semester-VI- Main
Paper No. XVIII**

Mark : 30

Urban Geography

- Unit I** : Meaning and Scope of Urban Geography
Origin and Evolution of towns
Classification of Towns
Functional Classification of Towns
- Unit II** : Urban Region of India
North Western Part
Central Part
North Eastern Part
Southern India
- Unit III** : Problems of Urban Development
Population Explosion
Laks of Amenities (Water, Transprot)
Land use management
Slum Areas
Housing Problems
Unemployment
Environmental Problems
- Unit IV** : Theories of Urban Growth
1. Concentric Zone Theory
2. Sector Theory
3. Central Place Theory

Reference Books

1. R.B. Mandal Urban Geography A textbook 2000
2. Ali S.M. the term of Indian Desert 1956
3. Brush John. E. Morphology of Indian Cities 1962
4. Nand Kishor A study in Urban Geography 1955
5. Dr.S.B.Bansal Settlement and Population Geography

**B.A. III Year
Semester-VI- Main
Paper No.XIX**

Mark : 30

Biogeography

- Unit I** : Nature, Scope and significance of Biogeography.
- Unit II** : Environment, Habitat and plant animal association, Biome types. Darwin's theory of Evolution.
- Unit III** : Elements of Plant geography, distribution of forests, successions in newly Formed landforms. Examples from flood plains and Glacial fore fields.
- Unit IV** : Zoogeography and its Environmental Relationship Ecosystem forms and function. National forest Policy of India

Reference Book

- 1 Agarwal D.P. Man and Environment in India Through Ages Book and books 1992.
- 2 Bradshaw M.J. Earth and Living Planet ELBS London.
- 3 Gaur R. Environment and Ecology of Early man in Northern India R.B. Publication corporation 1987.
- 4 Hugget R.J. Fundamentals of Biogeography Rout ledge U.S.A. 1998.
- 5 Mathus H.S. Essentials of Biogeography Anju Printers Jaipur 1998.

**B.A. III Year
Geography Practical
Paper - XX (MAIN)**

Unit 1 -	Instrumental Survey	Marks - 80
	<ul style="list-style-type: none"> a) Chain and Tape Survey <ul style="list-style-type: none"> i) Open Traverse Method ii) Triangulation Method b) Plane Table Survey <ul style="list-style-type: none"> i) Radiation Method ii) Open Traverse Method iii) Close Traverse Method 	Marks - 15
Unit 2 -	a) Prismatic Compass Survey	Marks - 15
	<ul style="list-style-type: none"> i) Open Traverse Method ii) Close Traverse Method 	
	b) Importance of Aerial Photography in Geographical Study	
	<ul style="list-style-type: none"> i) Instruments used for Aerial Survey ii) Scale of Aerial Photo 	
Unit 3 -	Representation of Bearing -	Marks - 14
	<ul style="list-style-type: none"> i) Whole Circle Bearing ii) Reduced Bearing iii) FB, BB of WCB iv) FB, BB of RB v) Conversion of Bearing - <ul style="list-style-type: none"> a) WCB into RB b) RB into WCB 	
Unit 4 -	i) Correction of Bearing	Marks - 16
	<ul style="list-style-type: none"> ii. Closing Error By Bowditch Method iii Determination of the Height with the Help of Abney Level 	
Unit 5 -	Participation in Geographical Excursion and Submission of Report	Marks - 10
Unit 6 -	Certified Journal and Viva - Voce	Marks - 10

Recommended Books -

1. Elements of Practical Geography - Singh R.L.
2. Statistical Geography - Zamir Alvi
3. Statistical Geography - Negi B.S.
4. Practical Geography - Dr. Jaykumar Magar (Marathi Version)
5. Practical Geography - Dr. Kumbhar (Marathi Version)
6. Practical Geography - Dr. Nagtode (Marathi Version)