

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



Circular / Acad Sec./ UG & PG/Rev. Curri./Col. & Uni.Cam./ 2022.

It is hereby inform to all concerned that, on the recommendation of Dean of Faculty of Humanities, **the Hon'ble Vice-Chancellor has accepted the following subject wise Curriculum & Regulations of Choice Based Credit & Grading System** under the faculty of Humanities in his emergency powers under Section 12 [7] of the Maharashtra Public University Act, 2016 on behalf of the Academic Council.

Sr. No.	UG/PG Course Curriculum Name	Semesters
01.	B.A., B.Com. & M. A. First Year [Marathi]	Ist & IInd
02.	B. A./B.Com/ B.Sc./BFA/BSW Second Language & Optional First Year [Hindi]	Ist & IInd
03.	B. A. First Year [Urdu]	Ist & IInd
04.	B.A./ B.Com/ B.Sc. Second Language & Optional First Year [Sanskrit]	Ist & IInd
05.	B. A. First & Second Year Progressively and M.A. Second Year [Psychology]	Ist to IVth and IIIrd & IVth
06.	B. A. First Year [Geography]	Ist & IInd
07.	B. A. First Year [Political Science]	Ist & IInd
08.	B. A. First & M.A. Second Year [Sociology]	Ist & IInd and IIIrd & IVth
09.	B. A. First Year [Economics]	Ist & IInd
10.	B. A. First Year [Public Administration]	Ist & IInd
11.	B. A. First & M.A. Second Year [Thoughts of Mahatma Phule and Dr. Babasaheb Ambedkar]	Ist & IInd and IIIrd & IVth
12.	B.A. First Year Optional [Military Science]	Ist & IInd
13.	B.A./ B.Sc. Second Language & Optional First Year [Arabic]	Ist & IInd
14.	B.A. First Year Optional [Islamic Studies]	Ist & IInd

This is effective from the Academic Year 2022-23 and Onwards progressively as appended herewith.

All concerned are requested to note the contents of this circular and bring notice to the students, teachers and staff for their information and necessary action.

University campus,
Aurangabad-431 004.
Ref. No. SU/Col. & UC/UG & PG/
2022/ 3355-65

Date: 11.07.2022.

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**Deputy Registrar,
Academic.**

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Copy forwarded with compliments to:-

- 1] **The Head, all concerned departments,**
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- 2] **The Principal, all affiliated colleges,**
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- 3] **The Director, University Network & Information Centre, UNIC,**
with **a request to upload this Circular on University Website.**

Copy to :-

- 1] **The Director, Board of Examinations & Evaluation,**
- 2] **The Sec. Officer, [B.A., B.Com, B.Sc. & M.A. Unit] Exam. Branch,**
- 3] **The Section Officer, [Eligibility Unit],**
- 4] **The Programmer [Computer Unit-1] Examinations,**
- 5] **The Programmer [Computer Unit-2] Examinations,**
- 6] **The In-charge, [E-Suvidha Kendra],**
- 7] **The Public Relation Officer,**
- 8] **The Record Keeper,**
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

-***-

DrK*110722/-



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

**Choice Based Credit System (CBCS) Syllabus
for Bachelor of Arts (B.A.) Geography**

SEMESTER-I & II

With Effect from Academic Year 2022-23

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

Dr. Babasaheb Ambedkar Marathwada University
17. 2022
Dr. Kajans D.S.
Chairman, BDS-Geography
Dr. B. A. M. U. Aurangabad

CBCS Curriculum Structure and Scheme of Evaluation for B.A. F.Y. Geography

SEMESTER- I st									
Sr. No.	Course Code	Titles of Course	Scheme of Teaching (Periods / Week)		Total Lectures	Total Credit	Scheme of Evaluation (Marks)		
			Theory	Practical			Theory	Practical	Total Marks
1	CCGEOG-3A	Physical Geography	4	-	60	2	30	-	30
2	CCGEOG-3B	Human Geography	4	-	60	2	30	-	30
3	CCGEOG-3P1	Practical	-	4	60	2	-	40	40
(A) Total of Semester – I			8	4	180	6	60	40	100

SEMESTER- II nd									
Sr. No.	Course Code	Titles of Course	Scheme of Teaching (Periods / Week)		Total Lectures	Total Credit	Scheme of Evaluation (Marks)		
			Theory	Practical			Theory	Practical	Total Marks
1	CCGEOG-1E	Geography of Landforms	4	-	60	2	30	-	30
2	CCGEOG-2E	Geography of Maharashtra	4	-	60	2	30	-	30
3	CCGEOG-3P2	Practical	-	4	60	2	-	40	40
(B) Total of Semester – II			8	4	180	6	60	40	100

Annual Practical (Semester- I st & II nd)							
Sr. No.	Course Code	Titles of Course	Scheme of Teaching (Periods / Week)		Total Credit	Scheme of Evaluation (Marks)	
			Practical	Total Lectures		Practical	Total Marks
1	CCGEOG-3P1	Practical	4	60	2	40	40
2	CCGEOG-3P2	Practical	4	60	2	40	40
(C) Total of Semester – I & II			8	120	4	80	80

- Teaching work load shall be four periods per week each theory paper.
- Four periods per batch per week for practical.
- Strength of students for each practical batch shall not be more than 20.
- Students shall not be allowed for practical Examination without certified journal.
- Total periods for each theory paper shall be 60 per semester.
- Total Periods for Practical paper shall be 60 per semester.
- Practical Examination will be held at the end of the academic year. (Annual Practical)
- There should be Continuous Internal Evaluation (CIE) for each paper e.g. Test, tutorials, Seminars and Home Assignments etc.

[Signature]
1.7.2022
Dr. Rajkans D.S.
Chairman, BOS- Geography,
Do. B.A. M.U. Aurangabad

B.A. F.Y. (Semester – Ist)
Course Code – CCGEOG-3A
Title of Course- Physical Geography

❖ **Learning Outcomes:**

After the completion of the course, the students will have the ability to:

1. Students will know the basic concept in physical geography.
2. Understand earth's tectonic and structural evolution.
3. Gain knowledge about earth's interior and various theories regarding earth.
4. Acquire knowledge about types of folds and faults and earthquakes, volcanoes and rocks classification.

Total Marks: 30

Unit No.	Teaching/ Learning Points	Period	Marks
I	Introduction of Physical Geography: Meaning, Nature and Scope, Element, Branches of Physical Geography	10	6
II	Lithospheres: Interior of the Earth, Wegner's Continental Drift Theory, Isostasy and plate Tectonic theory.	20	8
III	Earth Movements: Vertical and Horizontal, Process of Folding causes and effect, process of Faulting, Causes and effect. Volcanoes and Earthquakes.	20	8
IV	Rocks: Classification of rocks on the basis of Origin. Properties of different rocks.	10	8

Recommended Books :

- 1] Monkhouse, F.J.: Principles of Physical Geography, Hodderand Stoughton, London 1960.
- 2] Pitty, A: Introduction to Geomorphology, Methuen, London, 1974.
- 3] Small, R.J. : The Study of Landforms McGraw Hill, New York, 1985.
- 4] Daval P.A. Text books of geomorphology, Shukla book depot, Patna. 1996.
- 5] Singh, S.: Geomorphology, Praying Pustakalaya, Allahabad, 1998.
- 6] Kale V. and Gupt, A Element of Geomorphology Oxford University Press, Calcutta, 2001.
- 7] Dr. Pramod Dhokane, Handbook of Physical Geography, Oxford Publication, Delhi, 2019.
- 8] डॉ. गजहंस डी. एस व डॉ. पाथरे यु. बी. : प्राकृतिक भूगोल, विद्या प्रकाशन, औरंगाबाद.
- 9] प्रा. दाते व सौ. दाते: प्राकृतिक भूविज्ञान, सुगावा प्रकाशन, पुणे.
- 10] प्रा. ए. बी. सवदी: प्राकृतिक भूगोल, निराली प्रकाशन.
- 11] प्रा. के. ए. खतीब : प्राकृतिक भूगोल, मेहता पब्लिशिंग हाउस, पुणे
- 12] डॉ. राजेंद्र परमार : प्राकृतिक भूगोल, हिमालय पब्लिशिंग हाउस, मुंबई.
- 13] डॉ. एस. आर. चौधरी व डॉ. मिश्रीलाल चव्हाण: प्राकृतिक भूगोल, प्रशांत पब्लिकेशन, जळगाव.

B. A. F. Y. Geography Syllabus (CBCS) w. e. f. academic year 2022-23
B.A. F.Y. (Semester – Ist)
Course Code- CCGEOG-3B
Title of Course- Human Geography

Learning Outcomes:

After the completion of the course, the students will have the ability to:

1. Gain knowledge about major themes of human Geography.
2. Acquire knowledge on the history and evolution of humans.
3. Learn about the various races and racial groups of the world
4. Learn the rural house types, census categories of rural settlements and idea of social segregation.

Total Marks: 30

Unit No.	Topic	Period	Marks
I	Introduction Definition, Nature and Scope of Human Geography Branches of Human Geography.	10	6
II	Man and Environment relationship Types of Environment, Concept of Determinism and Possibilism, Stop and Go deterministic Approach.	20	8
III	Physical and Social Profile of Racial groups , Ethnic groups, Tribal groups in World and India, Eskimos, Bushmen, Masai, Gonds, Gujars.	20	8
IV	Human Settlement:- Types, Forms Patterns and Functional classification	10	8

Recommended Books :

- 1] Bergman, Edward E : Human Geography, Culture, Connection and landscape, Prentice Hall, New Jersey, 1995.
- 2] Carr, M : Patterns, Process and change in Human Geography Macmillan Education, London 1987.
- 3] Singh K.N.: People of India and Introduction, Seagulla Book 1992.
- 4] Joston, R.J. (Editor) : Dictionary of Human Geography Black well Oxford, 1992.
- 5] Deblji H.J. : Human Geography, Culture, Society and Space John Wiley, New York, 1996.
- 6] Fellman J.I. : Human geography – Landscapes of Human Activities, m bron and Benchment pub, U.S.A. 1997.
- 7] डॉ. गजहंस डी. एस व डॉ. पाथरे यु. बी. : मानवी भूगोल, विद्या प्रकाशन, औरंगाबाद.
- 8] डॉ. माजिद हुसैन: मानवी भूगोल, किताब महाल प्रकाशन, दिल्ली.
- 9] डॉ. राजेंद्र परमार : मानवी भूगोल, हिमालय पब्लिशिंग हाउस, मुंबई.
- 10] प्रा. के. ए. खतीब : मानवी भूगोल, मेहता पब्लिशिंग हाउस, पुणे

❖ Learning Outcome:

After the completion of course, the students will have ability to:

1. Students will know the definition of Cartography and scale of maps.
2. Students Understand the methods of reliefs.
3. Comprehend the concept of relief features and representation of slopes through contour line.

Total Marks: 40

Unit No.	Topic	Period	Marks
I	Nature and Scope of Cartography. Scale- Meaning, Methods of Representing Scale, Statement Scale, Numerical Scale and Representative.Fraction (R.F. Scale) Linear Scale, Types of Linear Scale i] Simple Linear Scale. ii] Comparative Scale. iii] Diagonal Scale.	24	10
II	Methods of Showing Relief: Hachure's, Spot Heights, Bench Mark, Hill Shading, Layer tint, Contours & Form Lines.	12	10
III	Representation of Slopes by Contours Even and Uneven, Gentle and Steep, Concave and Convex & Terraced Slopes, Cross Profiles.	24	10
IV	Journal and Viva-Voce.	-	10

Recommended Books :

- 1] Misra, R.P. and Ramesh, A. Fundamentals of Cartography McMillan Co., New Delhi, 1986.
- 2] Robinson, A.H. et al : Elements of Cartography, John Wiley & Sons, U.A.A. 1995.
- 3] Sarkar A. : Practical Geography : A Systematic Approach, Oriental Longman, Calcutta, 1997.
- 4] Singh R.L. Elements of Practical Geography.
- 5] Md. Khan, Z.A. 1998, Text Book of Practical Geography Concept Publishing House, New Delhi.
- 6] डॉ. अर्जुन कुंभार: प्रात्यक्षिक भूगोल, सुमेरू पब्लिकेशन डोबिवली, मुंबई.
- 7] डॉ. पी. एम. नागतोडे : प्रात्यक्षिक भूगोल,
- 8] डॉ. व्ही. जे. पाटील व डॉ. ए. पी. चौधरी: प्रात्यक्षिक भूगोल, प्रशांत पब्लिकेशन, जळगाव.
- 9] डॉ. जयकुमार मगर व जगताप : प्रात्यक्षिक भूगोल.

❖ Learning Outcomes:

After the completion of course, the students will have ability to:

1. Understand the functioning of Earth systems in real time and analyze how the natural and anthropogenic operating factors affects the development of landforms.
2. Overview the landform formation process.
3. Assess the roles of structure, stage and time in shaping the landforms.
4. To acquaint the students with the utility and applications of Geomorphology in different area

Total Marks: 30

Unit No.	Topic	Period	Marks
I	Concept of landforms , Evolution and types of landforms, W. M. Davis's Cycle of Erosion	10	6
II	Weathering:- Types and classification of Weathering Mechanical, Chemical and biological. Soil formation.	20	8
III	Geomorphic agents and processes. Erosion, Transportation, Deposition, Landforms produced by River, Wind, Sea waves, Glacier and Undergroundwater	20	8
IV	Applied Geomorphology , Geomorphology and Settlement, Geomorphology & Land use and Geomorphology & Resources.	10	8

Recommended Books :

1. Monkhouse, F.J. : Principles of Physical Geography, Hodder and Stoughton, London 1960.
2. Pitty, A : Introduction to Geomorphology, Methuen, London, 1997.
3. Small, R.J. : The Study of Landforms McGraw Hill, New York, 1985.
4. Daval P.A. Text books of geomorphology, Shukla book department Patna, 1996.
5. Singh, S. : Geomorphology, Praying Pustakalaya, Allahabad, 1998.
6. Kale V. and Gupt, A Element of Geomorphology Oxfo University Press, Calcutta, 2001.
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8. डॉ. गजहंस डी.एस व डॉ. पाथरे यु.बी : प्राकृतिक भूगोल, विद्या प्रकाशन, औरंगाबाद.
9. प्रा. दाते व सौ. दाते : प्राकृतिक भूविज्ञान, सुगावा प्रकाशन, पुणे.
10. प्रा. ए.बी. सवदी व प्रा. पी. एस. कोळेकर : भुरूपशास्त्राची मूलतत्वे, निराली प्रकाशन, पुणे
11. प्रा. के. ए. खतीब : प्राकृतिक भूगोल, मेहता पब्लिशिंग हाउस, पुणे
12. डॉ. राजेंद्र परमार : प्राकृतिक भूगोल, हिमालय पब्लिशिंग हाउस, मुंबई.
13. डॉ. एस. आर. चौधरी व डॉ. किरण गावीत : भुरूपशास्त्र, प्रशांत पब्लिकेशन, जळगाव.
14. डॉ. फुले, डॉ. शहापूरकर व डॉ. शेठे : प्राकृतिक भूगोल, अभिजीत पब्लिकेशन, लातूर.

B.A. F.Y. (Semester – IInd)

Course Code- – CCGEOG-2E

Title of Course- Geography of Maharashtra

❖ **Learning Outcomes:**

After the completion of course, the students will have ability to:

1. To acquaint students with Geography of our State.
2. To make students aware of the magnitude of problems and prospects in Maharashtra.
3. To help students understand the inter relationship between the subject and the society
4. To help students understand the recent trends in regional studies

Total Marks: 30

Unit No.	Topic	Period	Marks
I	Position and Personality : Location, Size and Shape, Relief and Physical Division of Maharashtra.	10	6
II	Physical Characteristics: Climate, Drainage, Soil and Natural Vegetation of Maharashtra.	20	8
III	Agriculture :- Cropping Pattern Major Crops: - Jowar, Wheat, Rice, Cotton, Sugarcane, Oilseeds & Pulses- Geographical Condition, Production & distribution.	20	8
IV	Industries : - Cotton and textile Industries, Sugar Industries. Transportation: - Road and Railway transport.	10	8

Recommended Books :

- 1] Arunchalam A- Geography of Maharashtra.
- 2] Deshpande C.D.- Geography of Maharashtra.
- 3] Sarang S. – Geography of Maharashtra.
- 4) डॉ. एस. व्ही. ताठे: महाराष्ट्राचा भूगोल, चिन्मय प्रकाशन, औरंगाबाद.
- 5) प्रा.ए.बी.सवदी व प्रा. पी. एस. कोळेकर : महाराष्ट्राचा भूगोल, निराली प्रकाशन, पुणे
- 6) डॉ. विठ्ठल घारपुरे: महाराष्ट्राचा भूगोल, पिंपळापुरे, नागपूर
- 7) महाराष्ट्र राज्य आर्थिक व सामाजिक समालोचन,

B.A. F.Y. (Semester – IInd)
Course Code- CCGEOG-3P2
Title of Course- Practical Geography

❖ Learning Outcome:

After the completion of course, the students will have ability to:

1. Students will know how to reduce and enlarge the maps.
2. Students will understand the representation of landforms by contours.
3. Students will know signs and symbols used in SOI Maps.
4. Students will acquire the Knowledge of Toposheet (SOI Maps) Reading and Interpretation.

Total Marks: 40

Unit No.	Topic	Period	Marks
I	Definition & Classification of maps, Enlargement and Reduction of Maps by square Methods.	15	10
II	Representation of Landforms by Contours. Conical hill, Plateau, Cliff, Waterfall, U Shaped Valley, 'V' Shaped Valley, Pass, Ridge.	20	10
III	Conventional Signs and Symbols of SOI Maps, Study of Indian Topographical (SOI) Maps. i] Relief ii] Human Settlementiii] Drainage iv] Transportation.	25	10
IV	Journal and Viva-Voce.	-	10

Recommended Books:

- 1] Misra, R.P. and Ramesh, A Fundamentals of CartographyMcMillan Co., New Delhi, 1986.
- 2] Robinson, A.H.etal: Elements of Cartography, John Wilev & Sons, U.S.A. 1995.
- 3] Sarkar A. : Practical Geography : A Systematic Approach, Oriental Longman, Calcutta, 1997.
- 4] Singh R.L. Elements of Practical Geography.
- 5] Md. Khan, Z.A. 1998, Text Book of Practical Geography Concept Publishing House, New Delhi.
- 6] डॉ. अर्जुन कुंभार: प्रात्यक्षिक भूगोल, सुमेरू पब्लिकेशन डोबिवली, मुंबई.
- 7] डॉ. पी. एम. नागतोडे : प्रात्यक्षिक भूगोल,
- 8] डॉ. व्ही. जे. पाटील व डॉ. ए. पी. चौधरी: प्रात्यक्षिक भूगोल, प्रशांत पब्लिकेशन, जळगाव.
- 9] डॉ. जयकुमार मगर व जगताप : प्रात्यक्षिक भूगोल.

Dr. Lajmans D.S.
17.2022
Dr. Lajmans D.S. 8 | Page
Chairman, BDS-Geography,
Dr. B.A.M.U. Aurangabad.

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

Choice Base Credit System (CBCS) Syllabus

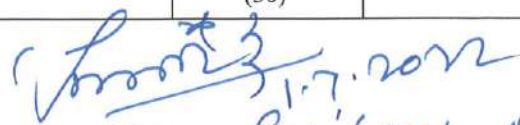
B.A. Geography

With Effect From Academic Year 2022-23

Sem.	Core Course (12)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (2)	Discipline Specific Elective (DSE) (4)	Generic Elective (GE) (2)
I	1) Physical Geography CCGEOG-3A (30) 2) Human Geography CCGEOG-3B (30) 3) Practical CCGEOG-3P1 (40)				
II	1) Geography of Landforms CCGEOG-1E (30) 2) Geography of Maharashtra CCGEOG-2E (30) 3) Practical CCGEOG-3P2 (40)				
III	1) Climatology CCGEOG-3E (30) 3) Practical CCGEOG-3P3 (40)		2) Introduction of GIS SEC GEOG-3A (30)		
IV	1) Oceanography CCGEOG-3F (30)		2) Geography of Population SEC GEOG-3B (30) 3) Practical SEC GEOG-3P4 (40)		
V			1) Geography of Environment SEC GEOG-3C (30)	2) Geography of India DSE-3 GEOG-A1 (30) or 2) Regional Planning & Development DSE-3 GEOG-A2 (30) 3) Practical DSE-3 GEOG-P5 (40)	4) Geography of Natural Calamities GEOG-1 (40) (Tutorial 10 Marks)
VI			1) Geography of Resources SEC GEOG-3D (30) 3) Practical SEC GEOG-P6 (40)	2) Geography of Tourism DSE-3 GEOG-B2 (30) or 2) Agricultural Geography of India DSE-3 GEOG-B1 (30)	4) General Geography GEOG-2 (40) (Tutorial 10 Marks)

Note:

1. Practical paper will not have tutorials.


 1.7.2022
 Dr. B. A. M. V. Aurangabad
 Chairman, B.A. Geography
 Dr. B. A. M. V. Aurangabad

S-19 June & 6 July 2012 AC after Circulars from Circular No.84 & onwards - 28 -
DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY
 CIRCULAR NO.ACAD/NP/ Syll./Pract. Subject/Soc Sci./95/2012

It is hereby notified for the information of all concerned that, on the recommendations of the Boards of Studies, Ad-hoc Boards and Faculty of Social Sciences, the Academic Council at its meeting held on 19-06-2012 has accepted the following Syllabi with Annual Pattern for Practical Examination for B.A. First Year progressively under the Faculty of Social Sciences :-

Sr. No.	Revised Syllabus
[1]	B.A. Library and Information Science,
[2]	B.A. Military Science,
[3]	B.A. Home Science,
[4]	B.A. Geography,
[5]	B.A. Psychology.

The said syllabi appended herewith.

This is effective from the academic year 2012-2013 and onwards.

These syllabi are also available on the University Website

www.bamu.net

All concerned are requested to note the contents of this circular for their information and necessary action.

University Campus, ★
 Aurangabad-431 004. ★
 REF.NO.ACAD/NP/SOCIAL SCI./ ★
 2012/20235-645 ★
A.C.M.A.I.Nos.5,6,28,29,31. ★

Date:- 02-08-2012. ★


Director,
Board of College and
University Development.

Copy forwarded with compliments to:-

- 1] The Principals, affiliated concerned Colleges,
Dr. Babasaheb Ambedkar Marathwada University
- 2] The Director, University Network & Information Centre, UNIC, with **a request to upload the above all syllabus on University website [www.bamu.net].**

Copy to :-

- 1] The Controller of Examinations,
- 2] The Superintendent, [B.A. Unit],
- 3] The Superintendent, [Eligibility Unit],
- 4] The Director, [E-Suvidha Kendra], in-front of Registrar's Quarter,
Dr. Babasaheb Ambedkar Marathwada University.
- 5] The Record Keeper,
Dr. Babasaheb Ambedkar Marathwada University.

==**==

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



Revised Syllabus of

B.A. 1st Year

Geography

Semester-I & II

(with Credit System)

[Effective from 2012-13 onwards]

15/3/2012
Chairman

B.O.S.

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
GEOGRAPHY

Curriculum Structure and Scheme of Evaluation for B.A.
With effective from 2012-13

SEMESTER I									
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. 101	Elements of Physical Geography	4	--	4	4	30	--	30
2	Geo. 102	Human Geography	4	--	4	4	30	--	30
(A) Total of Semester - I			8	--	08	08	60	--	60

SEMESTER - II

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. 103	Geography of Landform	4	-	4	4	30	--	30
2	Geo. 104	Regional Geography of Maharashtra	4	-	4	4	30	--	30
(B) Total of Semester - II			8	-	08	08	60	--	60

Annual Practical (Semester I & II)

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. 105	Practical-Paper-V	-	4	4	4	-	80	80
(C) Total of Semester - I & II			-	4	4	4	-	80	80

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

14/3/2012

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

Semester - I

Paper No.	Title of the Paper	Total Marks	No. of Periods Week
Paper - I	Elements of Physical Geography	30	04
Paper - II	Human Geography	30	04

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

Semester - II

Paper No.	Title of the Paper	Total Marks	No. of Periods Week
Paper - III	Geography of Land forms	30	04
Paper - IV	Regional Geography of Maharashtra	30	04

Annual Practical (Semester I & II)

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

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

14/3/2020
Chairman
BOS in Geography

B.A. I - Semester - I
Paper - I
"Elements of Physical Geography"

Mark : 30

Unit I	: Introduction of Physical Geography : - Meaning, Nature and Scope; Element, Branches of Physical Geography	Periods - 10 Marks - 6
Unit II	: Lithospheres : Interior of the Earth, Wegher's Continental Drift Theory, Isostacy and plate Tectonic theories.	Periods - 20 Marks - 08
Unit III	: Earth Movements : Vertical and Horizontal, Process of Folding causes and effect, process of Faulting, Causes and effect. Volcanoes and Earthquakes.	Periods - 20 Marks - 08
Unit IV	: Rocks: Classification of rocks on the basis of Origin. Properties of different rocks.	Periods - 10 Marks - 08

Recommended Books :

- 1] Monkhouse, F.J.: Principles of Physical Geography, Hodder and Stoughton, London 1960.
- 2] Pitty, A: Introduction to Geomorphology, Methuen, London, 1974.
- 3] Small, R.J. : The Study of Landforms McGraw Hill, New York, 1985.
- 4] Daval P.A. Text books of geomorphology, Shukla book depot, Patna. 1996.
- 5] Singh, S.: Geomorphology, Praying Pustakalaya, Allahabad, 1998.
- 6] Kale V. and Gupt, A Element of Geomorphology Oxford University Press, Calcutta, 2001.

B.A. I, Semester – I
Paper- II - Human Geography

Mark : 30

Unit I	: Introduction Definition, Nature and Scope of Human Geography Braches of Human Geography.	Periods - 10 Marks - 6
Unit II	: Man and Environment relationship Types of Environment, Concept of Determinism and Possibilism, Stop and Go deterministic Approach.	Periods – 20 Marks - 08
Unit III	: Physical and Social Profile of Racial groups, Ethnic groups, Tribal groups in World and India, Eskimo, Bushmen, Masai, Gonds, Gujars.	Periods - 20 Marks - 08
Unit IV	: Human Settlement :- Types, Forms Patterns and Functional classification	Periods - 20 Marks - 08

Recommended Books :

- 1] Bergman, Edward E : Human Geography, Culture, Connection and landscape, Prentice Hall, New Jersey, 1995.
- 2] Carr, M : Patterns, Process and change in Human Geography Macmillan Education, London 1987.
- 3] Singh K.N.: People of India and Introduction, Seagulla Book 1992.
- 4] Joston, R.J. (Editor) : Dictionary of Human Geography Black well Oxford, 1992.
- 5] Deblji H.J. : Human Geography, Culture, Society and Space John Wiley, New York, 1996.
- 6] Fellman J.I. : Human geography – Landscapes of Human Activities, m bron and Benchment pub, U.S.A. 1997.

B.A. I Year - Semester – II
Paper – III
"Geography of Landforms"

Mark : 30

Unit I	: Concept of landforms, Evolution and types of landforms, Concept of Cycle of Erosion.	Period - 10 Marks - 06
Unit II	: Weathering :- Types and classification of Weathering - Mechanical, Chemical and biological. Soil formation.	Period - 20 Marks - 08
Unit III	: Geomorphic Agents and Processes. Erosion, Transportation, Deposition, Landforms produced by River, Winds and Sea waves.	Period - 20 Marks - 08
Unit IV	: Land form produced by Glacier and Underground water. Applied Geomorphology - Geomorphology & Settlement, Geomorphology & Landuse, Geomorphology & Resources.	Period - 10 Marks - 08

Recommended Books :

- 1] Monkhouse, F.J. : Principles of Physical Geography, Hodder and Stoughton, London 1960.
- 2] Pitty, A : Introduction to Geomorphology, Methuen, London, 19977.
- 3] Small, R.J. : The Study of Landforms McGrow Hill, New York, 1985.
- 4] Daval P.A. Text books of geomorphology, Shukla book department Patna, 1996.
- 5] Singh, S. : Geomorphology, Praying Pustakalaya, Allahabad, 1998.
- 6] Kale V. and Gupta, A Element of Geomorphology Oxford University Press, Calcutta, 2001.

B.A. I - Semester – II
Paper – IV
"Regional Geography of Maharashtra"

Mark : 30

Unit I	: Position and Personality : Location, Size and Shape, Relief and Physical Division of Maharashtra.	Period - 10 Marks - 06
Unit II	: Climate, Drainage, Soil and Natural Vegetation of Maharashtra.	Period - 20 Marks - 08
Unit III	: Agriculture :- Cropping Pattern Major Crops :- Jowar, Wheat, Rice, Cotton, Sugarcane, Oilseeds & Pulses. Geographical Condition, Production & distribution of these crops.	Period - 20 Marks - 08
Unit IV	: Industries : - Cotton and textile Industries, Sugar Industries. Transpiration :- Road and Railway transport.	Period - 10 Marks - 08

Recommended Books :

- 1] Arunchalam A- Geography of Maharashtra.
- 2] Deshpande C.D.- Geography of Maharashtra.
- 3] Sawdi A.B. The Mega State Maharashtra.
- 4] Gharpure V.T.- Geography of Maharashtra.
- 5] Sarang S. – Geography of Maharashtra.

B.A. I
Annual Practical
(for B.A. I & II Semester)
Paper- Practical Geography
Paper No. - V

Total Mark : 80

Unit I	A) Nature and Scope of Cartography. Scale- Meaning, Methods of Representing Scale. Verbal Scale, Numerical Scale and Linear Scale	Marks - 04 Periods-12
	B) Types of Linear Scale i) Simple Linear Scale. ii) Comparative Scale. iii) Diagonal Scale. iv) Time and Distance Scale v) Space Scale	Marks- 10 Periods-20
Unit II	A) Definitions of Maps, Brief History of Maps, Classification of Maps, B) Enlargement and Reduction of Map by Square Method	Marks - 06 Periods-10 Marks - 08 Periods-10
Unit III	A) Methods of Showing Relief i) Hachure's, ii) Spot Height iii) Bench Mark iv) Hill Shading v) Layer Tint vi) Form Lines vii) Contours B) Representation of slopes with the help of contour lines by applying cross section method of i) Even Slope ii) Uneven Slope iii) Gentle Slope iv) Concave Slope vi) Convex Slope vii) Terraced Slope	Marks - 06 Periods-10 Marks-08 Periods-12
Unit IV	Representation of Landforms by Cross Section Method I. Conical Hill II. Ridge III. Plateau IV. Cliff	Marks-12 Periods-20

- V. Waterfall
- VI. 'U' Shaped valley
- VII. 'V' Shaped Valley
- VIII. Pass
- IX. Spur

Unit - V	A) Conventional Signs and Symbols of SOI Maps	Marks 06
	B) Study of any three Indian topographical Maps Under the following Heads (Hilly, Plateau and Plain Area each one)	Periods-06
	i) Introduction	Marks-10
	ii) Relief	Periods-20
	iii) Drainage	
	iv) Settlement	
	v) Transportation & Communication	
Unit - VI	Certified Journal and Viva Voce	Marks -10

Recommended Books :

- 1] Misra, R.P. and Ramesh, A Fundamentals of Cartography McMillan Co., New Delhi, 1986.
- 2] Robinson, A.H.etal: Elements of Cartography, John Wiley & Sons, U.S.A. 1995.
- 3] Sarkar A. : Practical Geography : A Systematic Approach, Oriental Longman, Calcutta, 1997.
- 4] Singh R.L. Elements of Practical Geography.
- 5] Md. Khan, Z.A. 1998, Text Book of Practical Geography Concept Publishing House, New Delhi.
- 6] डॉ.अर्जुन कुंभार - प्रात्यक्षिक भूगोल
- 7] डॉ.नागतोडे - प्रात्यक्षिक भूगोल
- 8] डॉ.जयकुमार मगर - प्रात्यक्षिक भूगोल

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



Revised Syllabus of

B.A. II - Year

Geography

Semester-III & IV

(with Credit & Semester Pattern)

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

1-3-2013
Chairman

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

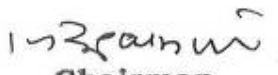
Paper No.	Title of the Paper	Total Marks	No. of Periods Week
Paper - VIII	Oceanography	30	04
Paper - IX	Settlement Geography	30	04

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.केचे 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

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	Marks -14 Period -20
Unit- II	A) Conventional Signs and Symbols Used in IDWR 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 -04 Period -05 Marks -10 Period -15
Unit III	A) Cartographic Techniques, Definition- Nature & Scope, Importance of Cartography B) Representation of Climatic Statistical data by Using Following Cartographic Techniques. i) Climograph ii) Hythergraph iii) Star Diagram iv) Wind Rose v) Ergograph vi) Isobars vii) Isotherms viii) Isohyets	Marks - 04 Period -05 Marks -10 Period -20
Unit IV	Representation of Statistical Data by Using following Methods i) Line and Bar graph	Marks -14 Period -25

	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.

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



Revised Syllabus of

B.A. III Year

Geography

Semester-V & VI

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

15/2/2015
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

1/2/2012

**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

15/2/2012

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

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

15/3/2012

**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. धारपूरे |

**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)

S-30th May, 2015 AC after Circulars from Circular No.1 & onwards - 3 -

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY
CIRCULAR NO.ACAD/SU/Social Sci./B.A.III Yr. Syll./3/2015

It is hereby notified for information to all the concerned that, on the recommendation of the Faculty of Social Sciences the Academic Council at its meeting held on 30-05-2015 has accepted the **revised syllabi** as mentioned against their names **under the**

Faculty of Social Sciences as under :-

Sr. No.	Name of the Subject	Semester
[1]	History	V & VI
[2]	Economics	V & VI
[3]	Psychology	V & VI
[4]	Geography	V & VI
[5]	Sociology	V & VI
[6]	Home Science	V & VI
[7]	Political Science	V & VI
[8]	Public Administration	V & VI
[9]	Social Work	V & VI
[10]	Philosophy	V & VI
[11]	Military Science	V & VI
[12]	Library & Information Science	I to VI Progressively
[13]	B.A. Travel and Tourism Management [Optional]	I to VI Progressively
[14]	Thoughts of Mahatma Phule & Dr. Ambedkar	V & VI effective from 2016-2017 & onwards

This is effective from the **Academic Year 2015-16 & onwards** as appended herewith.

All concerned are requested to note the contents of the circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004.
REF.NO.ACAD/SU/SOCIAL SCI./
2015/3310-709

Date:- 16-06-2015.

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Director,
Board of College and
University Development.

S-30th May, 2015 AC after Circulars from Circular No.1 & onwards

- 4 -

:: 2 ::

Copy forwarded with compliments to:-

- 1] The Principals, affiliated concerned colleges,
Dr. Babasaheb Ambedkar Marathwada University

Copy to :-

- 1] The Controller of Examinations,
- 2] The Director, [E-Suvidha Kendra], in-front of Registrar's Quarter,
Dr. Babasaheb Ambedkar Marathwada University,
- 3] The Superintendent, [B.A. Unit],
- 4] The Programmer [Computer Unit-1] Examinations,
- 5] The Programmer [Computer Unit-2] Examinations,
- 6] The Record Keeper.

==**==

S*/-160615/-

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



Revised Syllabus of

B.A. Third Year - Geography

Semester-V & VI

(Choice Based Credit System)

[Effective from 2015-16 onwards]

*1470
28/4/15*

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad**GEOGRAPHY****Curriculum Structure and Scheme of Evaluation for B.A. III**

With effective from 2015-16

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 Geography 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	Pract/ Viva-voce	Total Marks
1	GEO 113	Geo. XIII	Industrial geography of Maharashtra	4	--	4	4	30	--	30
(B) Total of Semester – V Main				4	-	4	4	30	--	30

- Total period per theory paper, per week -4
- Practical having 4 period per week
- Practical batch – one batch of 20 students

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

Curriculum Structure and Scheme of Evaluation for B.A. – III
With effective from 2015-16
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 114	Geo. XIV	Agricultural geography of India	4	--	4	4	30	--	30
2	GEO 115	Geo. XV	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 116	Geo. Prct. XVI	Practical- XVI	-	4	4	--	-	80	80

- Total period per theory paper, per week -4
- Practical having 4 period per week
- Practical batch – one batch of 20 students

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

GEOGRAPHY

Curriculum Structure and Scheme of Evaluation for B.A. III
With effective from 2015-16

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	Pract./ Viva-voce	Total Marks
1	GEO 117	Geo. XVII	Bio-geography	4	--	4	4	30	--	30
Total Semester VI (Main)				4	--	4	4	30	--	30

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	Pract./ Viva-voce	Total Marks
1	GEO 118	XVIII	Practical (MAIN)	-	4	4	--	-	40	40
	GEO 119	Geo. Prct. XIX	Project Work (MAIN) (Practical)	-	4	4	--	-	100	100
Total					8	8	-	-	140	140

- Total period per theory paper, per week -4
- Practical having 4 period per week
- Practical batch – one batch of 20 students

**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 Readings :

- 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.

Suggested Readings

- | | |
|--|-----------------------------|
| 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.अहिरराव व प्रा. अलिझाड |
| 7. पर्यावरणशास्त्र | डॉ. जयकुमार मगर |
| 8. पर्यावरणशास्त्र | डॉ. विठ्ठल धारपुरे |

**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.

Suggested Readings

1. Alexander J.W. Economic Geography Prentice Hall Engle wood cliffs 1988.
2. डॉ. पांडुरंग केचे महाराष्ट्राचा भूगोल
3. डॉ. सुभाष सारंग महाराष्ट्राचा भूगोल
4. डॉ. सुरेश फुले महाराष्ट्राचा भूगोल
5. ए.बी.सवदी द मेगा स्टेट महाराष्ट्रा

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

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.

Suggested Readings

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 Hill
S.S. 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. XV**

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)

Suggested Readings

- | | |
|-------------------------------|---|
| 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.अहिरराव व प्रा. अलिशाड |
| 7. पर्यावरणशास्त्र | डॉ. जयकुमार मगर |
| 8. पर्यावरणशास्त्र | डॉ. विठ्ठल घारपुरे |

B.A. III Year
ANNUAL PRACTICAL FOR SUBSIDIARY
(V & VI Semester)
Geography Practical
Paper - XVI (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 - 10
	i) Spearman's Method	
	ii) Karl Pearson's Method	
Unit 4-	i. Regression equation by Least Square Method	Marks - 10
	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 - 20
Unit 6-	Certified Journal and Viva - voce	Marks - 10

Suggested Readings -

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)

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

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** : Zoo-geography and its Environmental Relationship Ecosystem forms and function. National forest Policy of India

Suggested Readings

- 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 - XVIII (MAIN)**

	Marks - 40
Unit 1 - A) Introduction of Instrumental Survey	Marks - 5
1) Chain and Tape Survey	
2) Plane Table Survey	
3) Prismatic Compass Survey	
B) Field Survey using Plane table and prismatic compass	Marks - 10
i) Open Traverse Method	
ii) Close Traverse Method	
Unit 2 - A) Representation of Bearing -	Marks - 10
i) Whole Circle Bearing	
ii) Reduced Bearing	
iii) FB, BB of WCB	
iv) FB, BB of RB	
v) Conversion of Bearing -	
a) WCB into RB	
b) RB into WCB	
B) Correction of Bearing	Marks - 5
ii. Closing Error By Bowditch Method	
iii Determination of the Height with the Help of Abney Level	
Unit 3 - Certified Journal and Viva - Voce	Marks - 10

Suggested Readings -

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)

B.A. III Year
Project Work
Paper - XIX (MAIN - Practical)

Marks - 100

- * **Report writing - 80 Marks**
- * **Presentation - 20 Marks**

Candidates will be required to prepare a project report on any **one** topic. The topic for project may be selected from the list of suggested assignments given below or candidate can also take up a project of his / her choice in consultation with teachers of the department of geography, but the selection of the project must be related to the geographical or environmental topic / issues.

Topics / Issues for project:

- 1) Physical features related to the local level such as drainage pattern, slope analysis, soil and rocks type. Physiography of the region.
- 2) Impact of climate on agriculture, Vegetation, Biotic resources, Occupation and food habits of selected area.
- 3) Resources of selected area - agriculture, water, energy, minerals, soil, vegetation, biotic resources.
- 4) Social, economical, demographical, occupational, cultural, historical study of the selected area.
- 5) Environmental study of the selected area - Environmental degradation, sources of pollution of water bodies in the locality and determine the quality of water, sources of air pollution and quality of air, sources of land pollution and soil quality, sources of noise pollution and its consequences.
- 6) Study of disasters like earthquake, draughts, floods, landslides, cyclones, famines, hailstones.
- 7) Agriculture - Landuse pattern, crop combination, crop concentration and diversification, cropping pattern, agricultural production and productivity, any other issues related with agriculture.
- 8) Urban planning and landuse management, urban morphology, urban growth, CBD, functional classification of town, problems of urban development, rural settlement site and structure, features of rural settlements.
- 9) Distribution of diseases, availability of health facilities, geographical / social / economic / environmental factors affecting human health and diseases arising from them.
- 10) Transportation Network & Connectivity, availability of means of transportation, number of various types of vehicles, transportation system and local development, accessibility & flowchart, transportations and frequency of accidents.

Report writing should be as per the following guidelines

- 1) *Suitable title of the project.*
- 2) *Introduction*
- 3) *Study area*
- 4) *Significance of the project.*
- 5) *Objectives of the project.*
- 6) *Project methodology. (Collection of primary / secondary data, relevant statistical techniques, preparation of questionnaire, schedule maps, graphs, diagrams & photos, analysis, interpretation and report writing)*
- 7) *Chapter scheme. (Minimum 5 chapters)*
- 8) *Bibliography*

Notes:

- Each student will prepare an individual project report applying the project methodology.
- A group of maximum five students may work on same topic under the guidance of a teacher.
- The actual work of the project should be carried out throughout the year. Topic must be select after the admission to the course.
- Project report should be checked & certified by guiding teacher before final submission.
- Student should submit two hard copy (bind) and softcopy (CD) of Project report to department of geography before one month of commencement of university examinations.
- The project report will have preliminary pages such as Cover Page, Declaration by Candidate, Certificate by Guide, Acknowledgement, Contents, List of tables, maps, graphs, diagrams, photos etc.
- The soft copy (CD) of the project work should be prepared in Microsoft Word 2007, For English - font Times New Roman, font size 14, line spacing 1.5, margins - left 1.5", right-1", top -1", bottom 1", page numbers in footer, For Marathi language use APS / ISM software.
- The page count of the project report should be about 75 to 100 pages including figures, tables, maps, photographs, references, appendices, bibliography etc.
- The assessment of the project and viva-voce will be conducted in the presence of external examiner appointed by the university and the internal examiner.
- Marking scheme - Report Writing - 80 Marks (Project Content - 50 marks, follow-up of research methodology - 30 Marks), Viva-voce - 20 Marks. Total Marks - 100.

Suggested Readings:

- Creswell, J. (1998). Qualitative inquiry and research design: Choosing among five traditions. Thousand Oaks, California: Sage Publications.
- Franklin, M.I. (2012). Understanding Research: Coping with the Quantitative-Qualitative Divide. London and New York: Routledge.
- Dikshit, R. D. 2003. The Art and Science of Geography: Integrated Readings. Prentice Hall of India, New Delhi.
- Wolcott, H. 1995. The Art of Fieldwork. Alta Mira Press, Walnut Creek, CA.
- Aslam Mahmood : Statistical Methods in Geographical Studies, Rajesh Publications, New Delhi, 1993.
- C. B. Gupta : An Introduction to Statistical Methods, Vikas Publishing House, Delhi, 1974.
- S. Gregory, : Statistical Methods and the Geographers, Longman, London, 1964.
- A. Reza Hoshmand (second edition), : Statistical Methods for Environmental and Agricultural Sciences, CRC Press, New York, 1998.
- Elements of Practical Geography - Singh R.L.
- Statistical Geography - Zamir Alvi
- Statistical Geography - Negi B.S.
- Practical Geography - Dr. Jaykumar Magar (Marathi Version)
- Practical Geography - Dr. Kumbhar (Marathi Version)
- Practical Geography - Dr. Nagtode (Marathi Version)
- कार्लेकर श्रीकांत / काळे मोहन (२००७): भूगोलशास्त्रातील संशोधन पध्दती, डायमंड पब्लिकेशन्स, पुणे.
- कार्लेकर श्रीकांत (२०११): भूगोलशास्त्रातील संख्याशास्त्रीय पध्दती, डायमंड पब्लिकेशन्स, पुणे.
- कऱ्हाडे बी.एम.(२००७): 'शास्त्रीय संशोधन पद्धती', पिंपळापूरे अँड कं. पब्लिशर्स, नागपूर
- डॉ. विवेक पाटकर (२००७): संशोधन मार्गावरील प्रवास, दि पॅकेज, मुंबई
- कायंदे, गं.वि. (२००४): 'संशोधन पद्धती', चैतन्य पब्लिकेशन्स, नाशिक
- जोशी बी.आर. (२००८) : 'सामाजिक शास्त्रातील संज्ञा सिद्धांताचा कोश', डायमंड पब्लिकेशन, पुणे
- भांडारकर, पु.ल. (१९९९): 'सामाजिक संशोधन पद्धती', विद्या बुक्स, औरंगाबाद

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