

Ahmednagar Jilha Maratha Vidya Prasarak Samaj's

New Arts, Commerce, and Science College

Ahmednagar (Autonomous)

(Affiliated to Savitribai Phule Pune University, Pune)



National Education Policy (NEP)
Choice Based Credit System (CBCS)

Programme Framework
B. A. - I (Geography)

Implemented from

Academic Year 2024-25

Ahmednagar Jilha Maratha Vidya Prasarak Samaj's
New Arts, Commerce and Science College, Ahmednagar
(Autonomous)

Board of Studies in Geography

Sr. No.	Name	Designation
1.	Dr. Anand P. Pandit	Chairman
2.	Prof. Bhagwan N. Kumbhar	Member
3.	Dr. Yogesh G. Kadam	Member
4.	Professor Dr. Sachin J. Deore	Academic Council Nominee
5.	Dr. Pandurang P. Chaudhari	Academic Council Nominee
6.	Prof. Sandip N. Deshmukh	Vice-Chancellor Nominee
7.	Dr. Asaram S. Jadhav	Alumni
8.	Mr. Vinit T. Bitla	Industry Expert
9.	Dr. Satish D. Kulakrni	Member (co-opt)
10.	Dr. Digambar D. Ahire	Member (co-opt)

1. Prologue/ Introduction of the programme:

Students enrolled in the program will complete a curriculum that exposes and train students in a full range of essential skills and abilities. They will have the opportunity to master the geographical knowledge. The discipline of geography is mainly concerned with changes in spatial attributes from a temporal perspective. This programme in geography is tailored to meet the student's specific educational and professional goals in mind. It focuses on spatial studies, qualitative as well as quantitative, and emphasizes the human-environment relationship. During the first year of the programme, students study the fundamental knowledge related to the subject of geography. It covers various papers including 'Basics of Geography', 'Fundamentals of the Earth' and 'Advanced Concepts in Physical and Human Geography'. From the second year, students allow to concentrate more on specific areas of the subject in which they learn fieldwork, survey and complete empirical survey reports. The skill-based and vocational knowledge related to subject geography including GIS, RS and GPS is also given to students which helps them to get jobs in various sectors. After completing the course, the students will be adequately prepared for professional careers in geography and allied disciplines like GIS and Remote Sensing. They will be able to pursue M.A. /M.Sc. degree in Geography. The programme tries to give equal importance to the two main branches of Geography: Physical and Human. The principal goal of the programme is to enable the students to acquire adequate geographical and allied knowledge and to secure a job using that knowledge at the end of the undergraduate programme. Keeping this in mind and in tune with the changing nature of subject geography, adequate emphasis is given to applied aspects of the subject such as emerging techniques of mapping and field-based data generation.

2. Programme Outcomes (POs)

After completion of this programme students will

1. Understand the physical and human features that exist over the earth and the interrelationship among them.
2. Acquire survey skills through study tours and field visits.
3. Understand and evaluate different geographical theories and principles and be able to correlate them with actual scenarios.
4. Analyze the various contemporary issues.
5. Learn advanced techniques of geographical analysis like Geographical Information System, Remote Sensing and Global Positioning System and their applications.
6. Able to secure jobs using knowledge of geography, geographical information system and remote sensing techniques in government and private sectors.

B. A. Programme Framework: Credit Distribution

Level / Difficulty	Sem	Subject-1				Subject-2	Subject-3	GE/OE	SEC	IKS	AEC	VEC	CC	Total
Certificate 4.5 / 100	I	04				04	04	2	-	2	2	2	2	22
	II	04				04	04	2	2	--	2	2	2	22
		Credits Related to Subject Selected as Major				Selected as Minor		GE/OE	SEC	IKS	AEC	VEC	CC	Total
		Major Core	Major Elective	VSC	FP / OJT/ CEP/RP									
Diploma 5.0 / 200	III	06	--	2	2 (FP)	04	--	02	2		2	--	2	22
	IV	06	--	2	2 (CEP)	04	--	02	2	--	2	--	2	22
Degree 5.5 / 300	V	10	04	2	2 (FP)	02	--	--	--	2	--	--	--	22
	VI	10	04	2	4 (OJT)	02	--	--	--		--	--	--	22
Total		40	08	08	10	18	08	08	06	04	08	04	08	132
6.0/400 Honours	VII	14	04	-	RM-04	-								22
	VIII	14	04	-	OJT-04	-								22
6.0/400 Honours with Research	VII	10	04	-	RM-04 RP-04	-								22
	VIII	10	04	-	RP-08									22
Total		68/60	16	08	18/26	18	08	08	06	04	08	04	08	176

B. A. Programme Framework: Course Distribution

Level / Difficulty	Sem	Subject-1				Subject-2	GE/OE	SEC	IKS	AEC	VEC	CC	Total
Certificate 4.5 / 100	I	01				01	01	-	01	01	01	01	07
	II	01				01	01	01	--	01	01	01	07
		Credits Related to Subject Selected as Major				Minor	GE/ OE	SEC	IKS	AEC	VEC	CC	Total
		Core	Elective	VSC	FP / OJT/ CEP								
Diploma 5.0 / 200	III	02		01	01	01	01			01	--	01	08
	IV	02		01	01	01	01			01	--	01	08
Degree 5.5 /300	V	03	01	01	01	01	--	--	01	--	--	--	08
	VI	03	01	01	01	01	--	--		--	--	--	07
Total		12	02	04	04	06	04	02	02	04	02	04	44
6.0/400 Honours	VII	04	01	-	RM-01								06
	VIII	04	01	-	OJT-01	-							06
6.0/400 Honours with Research	VIII	03	01	-	RM-01 RP-01	-							06
	VIII	03	01	-	RP-01								05
Total		18/16	04	04	06/07	06	04	02	02	04	02	04	56/55

B. A. -I (Geography): Credits and Courses in Bracket

Level / Difficulty	Sem	Subject (Geography)				IKS	Total
4.5 Certificate	I	04 (01)					04 (01)
	II	04 (01)				--	04 (01)
		Core	Elective	VSC	FP / OJT/ CEP		
5.0 Diploma	III	06 (02)		02 (01)	02 (01)		10 (04)
	IV	06 (02)		02 (01)	02 (01)		10 (04)
5.5 Degree	V	10 (03)	04 (01)	02 (01)	02 (01)	02 (01)	
	VI	10 (03)	04 (01)	02 (01)	04 (01)		
Total		40 (12)	08 (02)	08 (04)	10 (04)	02 (01)	
6.0 Honours	VII	14 (04)	04 (01)	-	RM-04	-	22 (06)
	VIII	14 (04)	04 (01)	-	OJT-04	-	22 (06)
6.0 Honours with Research	VII	10 (03)	04 (01)	-	RM-04 (01) RP-04 (01)	-	22 (06)
	VIII	10 (03)	04 (01)	-	RP-08 (01)		22 (05)

Programme Framework (Courses and Credits): B. A. Geography

Sr. No.	Year	Semester	Level	Course Type	Course Code	Title	Credits
1.	I	I	4.5	DSC-01	BA-GO 111T	Elements of Physical Geography	04
2.	I	II	4.5	DSC-02	BA-GO 121T	Elements of Human Geography	04
3.	II	III	5.0	DSC-03	BA-GO 231T	Elements of Geomorphology	04
4.	II	III	5.0	DSC-04	BA-GO 232T	Elements of Climatology	02
5.	II	III	5.0	VSC-01	BA-GO 233P	Cartography and Field Visit	02
6.	II	III	5.0	FP-01	BA-GO 234P	Field Project	02
7.	II	IV	5.0	DSC-05	BA-GO 241T	Elements of Population Geography	04
8.	II	IV	5.0	DSC-06	BA-GO 242T	Elements of Settlement Geography	02

9.	II	IV	5.0	VSC-02	BA-GO 243P	Maps, Map Scale and Map Projection	02
10.	II	IV	5.0	CEP-01	BA-GO 245P	Village Survey	02
11.	III	V	5.5	DSC-07	BA-GO 351T	Physical Geography of Maharashtra	04
12.	III	V	5.5	DSC-08	BA-GO 352T	Physical Geography of India	04
13.	III	V	5.5	DSC-09	BA-GO 353T	Environmental Geography	02
14.	III	V	5.5	DSE-01	BA-GO 354T	Agriculture Geography	04
15.	III	V	5.5	VSC-03	BA-GO 355P	Surveying - I	02
16.	III	V	5.5	FP-02	BA-GO 356P	Field Project	02
17.	III	V	5.5	IKS-02	BA-GO 357T	Agricultural Heritage of India	02
18.	III	VI	5.5	DSC-10	BA-GO 361T	Human Geography of Maharashtra	04
19.	III	VI	5.5	DSC-11	BA-GO 362T	Human Geography of India	04
20.	III	VI	5.5	DSC-12	BA-GO 363T	Watershed Management	02
21.	III	VI	5.5	DSE-02	BA-GO 364T	Contemporary Issues and Geography	04
22.	III	VI	5.5	VSC-04	BA-GO 365P	Surveying - II	02
23.	III	VI	5.5	OJT-01	BA-GO 366P	On Job Training	04

B. A. Geography (Honours)

Sr. No.	Year	Semester	Level	Course Type	Course Code	Title	Credits
24.	IV	VII	6.0	DSC-16	BA-GO471T	Principles of Geomorphology	03
25.	IV	VII	6.0	DSC-17	BA-GO472T	Principles of Climatology	03
26.	IV	VII	6.0	DSC-18	BA-GO473T	Principles of Population Geography	02
27.	IV	VII	6.0	DSC-19	BA-GO474P	Practicals in Geomorphology	02
28.	IV	VII	6.0	DSC-20	BA-GO475P	Practicals in Climatology	02
29.	IV	VII	6.0	DSC-21	BA-GO476P	Practicals in Population Geography	02
30.	IV	VII	6.0	DSE-03	BA-GO477T (A)	Principles of Settlement Geography	02
31.	IV	VII	6.0	DSE-04	BA-GO477T (B)	Agricultural Geography	02

32.	IV	VII	6.0	DSE-05	BA-GO478P (A)	Practicals in Settlement Geography	02
33.	IV	VII	6.0	DSE-06	BA-GO478P (B)	Practicals in Agricultural Geography	02
34.	IV	VII	6.0	RM-01	BA-GO479T	Research Methodology	04
35.	IV	VIII	6.0	DSC-22	BA-GO481T	Principles of Economic Geography	03
36.	IV	VIII	6.0	DSC-23	BA-GO482T	Population Geography	03
37.	IV	VIII	6.0	DSC-24	BA-GO483T	Geography of Rural Settlement	02
38.	IV	VIII	6.0	DSC-25	BA-GO484P	Practicals in Economic Geography	02
39.	IV	VIII	6.0	DSC-26	BA-GO485P	Practicals in Surveying	02
40.	IV	VIII	6.0	DSC-27	BA-GO486P	Practicals in Map Projection	02
41.	IV	VIII	6.0	DSE-07	BA-GO487T (A)	Geoinformatics - I	02
42.	IV	VIII	6.0	DSE-08	BA-GO487T (B)	Coastal Geomorphology	02
43.	IV	VIII	6.0	DSE-09	BA-GO488P (A)	Practicals in Geoinformatics - I	02
44.	IV	VIII	6.0	DSE-10	BA-GO488P (B)	Practicals in Coastal Geomorphology	02
45.	IV	VIII	6.0	OJT-01	BA-GO489P	On Job Training	04

B. A. Geography (Honours with Research)

Sr. No.	Year	Semester	Level	Course Type	Course Code	Title	Credits
24.	IV	VII	6.0	DSC-16	BA-GO471T	Principles of Geomorphology	03
25.	IV	VII	6.0	DSC-17	BA-GO472T	Principles of Climatology	03
26.	IV	VII	6.0	DSC-18	BA-GO473P	Practicals in Geomorphology	02
27.	IV	VII	6.0	DSC-19	BA-GO474P	Practicals in Climatology	02

28.	IV	VII	6.0	DSE-03	BA-GO475T (A)	Principles of Settlement Geography	02
29.	IV	VII	6.0	DSE-04	BA-GO475T (B)	Agricultural Geography	02
30.	IV	VII	6.0	DSE-05	BA-GO476P (A)	Practicals in Settlement Geography	02
31.	IV	VII	6.0	DSE-06	BA-GO476P (B)	Practicals in Agricultural Geography	02
32.	IV	VII	6.0	RM-01	BA-GO477T	Research Methodology	04
33.	IV	VII	6.0	RP-01	BA-GO478PR	Research Project	04
34.	IV	VIII	6.0	DSC-20	BA-GO481T	Principles of Economic Geography	03
35.	IV	VIII	6.0	DSC-21	BA-GO482T	Population Geography	03
36.	IV	VIII	6.0	DSC-22	BA-GO483P	Practicals in Economic Geography	02
37.	IV	VIII	6.0	DSC-23	BA-GO484P	Practicals in Surveying	02
38.	IV	VIII	6.0	DSE-07	BA-GO485T (A)	Geoinformatics - I	02
39.	IV	VIII	6.0	DSE-08	BA-GO485T (B)	Coastal Geomorphology	02
40.	IV	VIII	6.0	DSE-09	BA-GO486P (A)	Practicals in Map Projection	02
41.	IV	VIII	6.0	DSE-10	BA-GO486P (B)	Practicals in Coastal Geomorphology	02
42.	IV	VIII	6.0	RP-02	BA-GO489PR	Research Project	08

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Syllabus

B. A. - I (Geography)

Title of the Course: Elements of Physical Geography								
Year: I				Semester: I				
Course Type	Course Code	Credit Distribution		Credits	Allotted Hours	Allotted Marks		
		Theory	Practical			CIE	ESE	Total
DSC-01	BA-GO 111T	04	00	04	60	30	70	100

Learning Objectives:

1. To make students well aware of the basic concepts and theories of physical geography.
2. To get knowledge of fundamentals of the Earth.
3. To recognize the relationship between temperature belts, pressure belts and wind system.
4. To understand the relationship between the lithosphere, atmosphere, biosphere and hydrosphere.
5. To understand concepts related to the hydrosphere.

Course Outcomes (Cos):

After completion of this course students will

1. Well aware of the basic concepts and theories of Physical geography.
2. Get knowledge of fundamentals of the Earth.
3. Recognize the relationship between, temperature belts, pressure belts and wind system.
4. Understand the basics of lithosphere, atmosphere, Biosphere, hydrosphere and their relationship.
5. Understand concepts related to hydrosphere.

Detailed Syllabus:

Unit I: Introduction to Physical Geography

(12)

- a. Introduction, Definitions and Branches of Geography
- b. Definitions, Nature and Scope of Physical Geography
- c. Branches of Physical Geography
- d. Importance of Physical Geography

Unit II: Fundamentals of the Earth (12)

- a. Origin of the Universe: Big-Bang Theory
- b. Measurements of the Earth: Shape, Radius, Diameter and Circumference
- c. Motions of the Earth: Rotation and Revolution
- d. Latitudes and Parallels of Latitude, Longitudes and Meridians of Longitudes
- e. Local time, Standard Time, Greenwich Mean Time and International Date Line

Unit III: Lithosphere (12)

- a. Interior of the Earth
 - i) Problems to Study Interior of the Earth
 - ii) Sources of Knowledge
 - iii) Structure and Composition of Interior of the Earth
- b. Wegener's Continental Drift Theory
- c. Theory of Plate Tectonics

Unit IV: Atmosphere (12)

- a. Composition of the Atmosphere
- b. Structure of the atmosphere
- c. Heat Budget of the Earth
- d. Temperature belts of the Earth
- e. Pressure belts and wind system
- f. Forms and types of Precipitation

Unit V: Hydrosphere (10)

- a. Hydrological cycle
- b. Waves, Tides and Ocean Currents
- c. General structure of ocean floor

Unit VI: Field Visit (02)

Field visit for observations of geographical places and landforms

Suggested Readings/Material:

1. Clyton K., (1986): Earth Crust, Adus Book, London.
2. Davis W. M., (1909): Geographical Essay, Ginnia Co.
3. Dayal P., (1996): Text Book of Geomorphology, Shukla Book Depot, Patna.
4. Kale V.S. and Gupta A., (2001): Elements of Geomorphology, Oxford Univ. Press.

5. Kale V.S. and Gupta A., (2015): Introduction of Geomorphology, University Press, PVT Kolkata.
6. Monkhouse, (1951): Principle of Physical Geography, McGraw Hill Pub – New York.
7. More, Pagar & Thorat (2014): Elements of Climatology & Oceanography, (Marathi), Atharv Publication, Pune
8. Pitty A. F., (1974): Introduction to Geomorphology, Methuen London.
9. S Mukherjee (1996): Understanding Physical Geography Through Diagrams, Orient Blackswan (Pvt) Ltd
10. Singh Savindra, (2000): Physical Geography, Prayag Pustak Bhavan, 20-A, University Road, Allahabad – 211002.
11. Steers J. A., (1964): The Unstable Earth Some Recent Views in Geography, Kalyani Publishers, New Delhi.
12. Swaroop Shanti, (2006): Physical Geography, King Books, Nai Sarak, Delhi – 110006.
13. Wooldridge S. W. and Morgan R. S., (1959): The Physical Basis of Geography and Outline of Geomorphology, Longman Green and Co. London.
14. मोरे, पगार आणि थोरात (२०१९): प्राकृतिक भूगोल व मानवी भूगोल, प्रशांत प्रकाशन, जळगाव.
15. चव्हाण, साळुंके, नजन, सोनवणे आणि मंडलिक (२०१९): प्राकृतिक भूगोल व मानवी भूगोल, प्रशांत प्रकाशन, जळगाव.

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Syllabus
B. A. - I (Geography)

Title of the Course: Elements of Human Geography								
Year: I				Semester: II				
Course Type	Course Code	Credit Distribution		Credits	Allotted Hours	Allotted Marks		
		Theory	Practical			CIE	ESE	Total
DSC-02	BA-GO 121T	04	00	04	60	30	70	100

Learning Objectives:

1. To make students well aware of the basic concepts of human geography.
2. To understand the Demographic Transition Theory and basic concepts related to the population with special reference to India.
3. To acquaint the knowledge of types and patterns of rural settlement.
4. To recognize the concept of urbanization with special reference to Maharashtra and India.
5. To make students well aware of the Economic activities and modes of transportation
6. To understand the types and factors affecting agriculture and recognize the problems of Indian agriculture.

Course Outcomes (Cos):

After completion of this course students will

1. Well aware of the basic concepts of human geography.
2. Understand the Demographic Transition Theory and basic concepts related to the population with special reference to India.
3. Acquaint with the knowledge of types and patterns of rural settlement.
4. Recognize the concept of urbanization with special reference to Maharashtra and India.
5. Well aware of the Economic activities and modes of transportation.
6. Understand the types and factors affecting agriculture and recognize the problems of Indian agriculture.

Detailed Syllabus:

Unit I: Introduction to Human Geography

(12)

- a. Introduction, Definitions of Human Geography
- b. Nature and Scope of Human Geography
- c. Branches of Human Geography
- d. Importance of Human Geography

Unit II: Population (12)

- a. Factors affecting on distribution and density of the population
- b. Concepts of Birth Rate, Death Rate, Growth Rate and Migration
- c. Demographic Transition Theory
- d. Composition of Indian Population: Age, Gender and Literacy

Unit III: Settlements (10)

- a. Types and Patterns of Rural Settlements
- b. Concept of Urbanization, Trends and Growth of Urbanization in India and Maharashtra
- c. Causes and Effects of Urbanization

Unit IV: Economic Activity and Transportation (14)

- a. Introduction and concept of Economic Activity
- b. Economic Activities: Primary activity, Secondary activity, Tertiary activity, Quaternary activity and Quinary activity
- c. Modes of Transportation: Road, Railway, Air and Water
- d. Importance of Transportation in Economic Development

Unit V: Agriculture (12)

- a. Types of Agriculture
- b. Factors Affecting on Agriculture
- c. Problems of Indian Agriculture
- d. Importance of Agriculture in Indian economy

Suggested Readings/Material:

1. Bhende & Kanitkar (2011): Principles of Population studies, Himalaya Publishing House.
2. Chandana R.C. (1988): Geography of Population, Kalyani Pub. Ludhiana.
3. Chandna, R.C. (2010): Population Geography, Kalyani Publisher.
4. Daniel, P.A. and Hopkinson, M.F. (1989): The Geography of Settlement, Oliver & Boyd, London.

5. Ghosh B.N. (1985): Fundamentals of Population Geography, Sterling Publishers.
6. Hassan Mohammad, (2005): Population Geography, Rawat Publication.
7. Hassan, M.I. (2005): Population Geography, Rawat Publications, Jaipur.
8. Hussain M. (2018): Human Geography, Rawat Publication.
9. Johnston R; Gregory D, Pratt G. et al. (2008): The Dictionary of Human Geography, Blackwell Publication.
10. Jordan-Bychkov et al. (2006): The Human Mosaic: A Thematic Introduction to Cultural Geography. W. H. Freeman and Company, New York.
11. Jyotiram More and Musmade Arjun, (2015): Regional Geography of India. Diamond Publication Pune.
12. Kaushik, S.D. (2010): Manavi Bhugol, Rastogi Publication, Meerut.
13. Maurya, S.D. (2012): Manavi Bhugol, Sharda Pustak Bhawan. Allahabad.
14. Mishra & Puri (2004): Indian Economy, Himalaya Publishing House.
15. Money D.C. (1968): Introduction to Human Geography, HarperCollins Distribution
16. Musmade Arjun, Sonawane Amit and Jyotiram More, (2015): Population & Settlement Geography, Diamond Publication Pune.
17. Perillouav (1986): Human Geography.
18. Perpillon A.V. (1986): Human Geography, Longman, London.
19. Robinson H. (1978): Human Geography, Macdonald & Evans ltd.
20. S. Mukherjee (1996): Understanding Physical Geography through Diagrams, Orient Black swan (Pvt) Ltd.
21. Sawant S.B. and Athavale A. S. (1994): Population Geography, Mehta publishing house, Pune.
22. Singh, Gopal (1999): Mapwork & Practical Geography.
23. Singh, R.Y. (1998): Geography of Settlement.
24. Sudepta Adhikari (2016): Orient Black swan PVT, New Delhi.
25. Sumitra Ghosh (2015): Introduction of Settlement Geography. Orient Black swan PVT Kolkata.
26. मोरे, पगार आणि थोरात (२०१९): प्राकृतिक भूगोल व मानवी भूगोल, प्रशांत प्रकाशन, जळगाव.
27. चव्हाण, साळुंके, नजन, सोनवणे आणि मंडलिक (२०१९): प्राकृतिक भूगोल व मानवी भूगोल, प्रशांत प्रकाशन, जळगाव.