

R. P. Gogate College of Arts & Science and
R. V. Jogalekar College of Commerce (Autonomous), Ratnagiri

Board of Studies in Geography

Academic Year 2024-25

UG Courses:

S. N.	Type of the Course	No. of Cr.	Course Code	Nomenclature	S. N.	Type of the Course	No. of Cr.	Course Code	Nomenclature
Semester I					Semester II				
1	Major	2	UAGEO 101	The Earth	1	Major	2	UAGEO 201	Introduction to Human Geography
2	VEC	2	UAVEE 101	Environmental Education - I	2	VEC	2	UAVEE 201	Environmental Education - II
3	VEC	2	UCOM 109	Environmental Geography - I	3	VEC	2	UCOM 209	Environmental Geography - II
4	--	--	--	--	4	VSC	2	UAVSC GEO201	Basics Tools in Geography
Semester III					Semester IV				
1	Major	4	UAGEO 301	Physical Geography of India	1	Major	4	UAGEO 401	Economic Geography
2	Major	2	UAGEO 302	Agricultural Geography	2	Major	2	UAGEO 402	Agriculture & Economic Geography of India
3	VSC	2	UAVSC GEO 301	Map Reading & Filling (India)	3	VSC	2	UAVSC GEO 401	Cartographic Techniques
Semester V					Semester VI				
1	Major	4	UAGEO 501	Earth's Formation and Processes	1	Major	4	UAGEO 601	Geomorphology
2	Major	4	UAGEO 502	Introduction to Climatology	2	Major	4	UAGEO 602	Introduction to Oceanography
3	Major	3	UAGEO 503	Tools and Techniques in Geography for Spatial Analysis - I (Practical)	3	Major	3	UAGEO 603	Tools and Techniques in Geography for Spatial Analysis - II (Practical)
4	Major	4	UAGEO 507	Fundamentals in Geospatial Technology	4	Major	4	UAGEO 607	Fundamentals in Geographical Information System
5	Major	4	UAGEO 508	Digital Cartography (Practical)	5	RP	4	UAGEO 608	Research Project in Geography (Practical)
6	Major	3	UAGEO 509	Geospatial Technology (Practical)	6	RM	3	UAGEO 609	Research Methodology in Geography (Practical)

PG Courses: 1 Year Diploma in GIS

S. N.	Type of the Course	No. of Cr.	Course Code	Nomenclature	S. N.	Type of the Course	No. of Cr.	Course Code	Nomenclature
Semester I					Semester II				
1	Major	4	DIP101	Fundamentals in Geospatial Technology	1	Major	4	DIP201	Fundamentals in Geographical Information System
2	Major	4	DIP102	Digital Cartography (Practical)	2	RP	4	DIP202	Research Project in Geography (Practical)
3	Major	3	DIP103	Geospatial Technology (Practical)	3	RM	3	DIP203	Research Methodology in Geography (Practical)

Syllabus for Bachelor of Arts in Geography for the year 2024-25

Nomenclature of the Course	The Earth	
Class	FYBA	
Semester	I	
Course Code	UAGEO101	
No. of Credits	2	
Nature	Theory/ Practical/ Project/ other (please specify)	
Type	Choose from these types - Major Core (Non NEP), Major (Mandatory / Elective) / Minor SEC / VSC / OE / AEC / VEC / RM	
Course Outcomes:		
CO1 – The learner shall be able to elaborate formation of the Earth. CO2 – The learner shall be able to explain formation of the Earth surface (Internal Forces). CO3 – The learner shall be able to elaborate formation of the Earth surface. CO4 - The learner shall be able to acquaint student with use of geographic skills and knowledge and prepare them for competitive examination as well as for its implementation in their daily life.		
Syllabus:		
Unit	Title	Learning Points
1	Formation of the Earth	1.1 Nebular Hypothesis 1.2 Structure of the Solar system 1.3 Movements of the Earth 1.4 Formation of the Interior of the Earth
2	Formation of the Earth Surface (Internal Forces)	A) Slow movements 2.1 Folding 2.2 Faulting B) Rapid movements 2.3 Earthquake 2.4 Volcanism
3	Formation of the Earth Surface	3.1 Weathering 3.2 Rocks and Minerals 3.3 Types of rocks
Prescribed Text/s (If any):		
Other Learning Resources recommended:		
1. Physical Geography, Strahler and Strahler, Prentice Hall Publication (2013) 2. Fundamentals of Physical Geography, F J Monkhouse, McMillan Publication (1990) 3. Physical Geography, Savindra Singh, PrayagPustakBhavan, (2008) 4. प्राकृतिक भूविज्ञान, दाते आणि दाते, निराली प्रकाशन, (२०१३) 5. प्राकृतिक भूगोल, विठ्ठल घारपुरे, पिंपळापुणे प्रकाशन, नागपूर (२०१८)		

Teaching Plan:			
Unit No.	Unit Title	Teaching Methods	No. of Lectures
1	Formation of the Earth	Chalk and Talk, AV resources, Blogs	10
2	Formation of the Earth Surface (Internal Forces)	Chalk and Talk, AV resources, Blogs	10
3	Formation of the Earth Surface	Chalk and Talk, AV resources, Blogs	10

Evaluation Pattern

A) Continuous Internal Evaluation: Maximum Marks: 20

Method	Marks
(Class test, home assignment, seminar, viva voce, report submission, active class participation and attendance, etc.)	
Home assignment/ Class Test (Unit – I)	15
Active class participation and attendance	05
Total	20

B) Semester End Examination: Maximum Marks: 30

Question No. and Sub questions (If any) (E.g. Q. 1 a) ...	Unit and sub unit (with number and title)	Type of Question (Essay / short note / Objective / Diagram, etc.)	Marks
Q. 1	Unit - II	Long answer question / Long answer question	15
Q. 2	Unit - III	Long answer question / Long answer question	15
Total			30

Date: 23/04/2024

Place: Ratnagiri

Signature

Chairperson and HoD

Nomenclature of the Course	Introduction to Human Geography	
Class	FYBA	
Semester	II	
Course Code	UAGEO201	
No. of Credits	2	
Nature	Theory/ Practical/ Project/ other (please specify)	
Type	Choose from these types Major Core (Non NEP), Major (Mandatory / Elective) / Minor SEC / VSC / OE / AEC / VEC / RM	
Course Outcomes:		
CO1 – The learner shall be able to understand the development and branches of Human Geography.		
CO2 – The learner shall be able to acquainted with basic concepts in Population Geography.		
CO3 – The learner shall be able to introduced to basic learning in Settlement Geography.		
CO4 - The learner shall be able to acquaint student with use of geographic skills and knowledge and prepare them for competitive examination as well as for its implementation in their daily life.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
1	Development and Branches of Human Geography	1.1 Definition & Emergence of Human Geography 1.2 Branches of Human Geography 1.3 Concept of Determinism and Possibilism 1.4 Relevance of Human Geography
2	Population Geography	2.1 Global Population Growth 2.2 Global Distribution of Population 2.3 Demographic Transition Model
3	Settlement Geography	3.1 Definition and Functions of Settlements 3.2 Types of Rural Settlements 3.3 Types of Urban Settlements
Prescribed Text/s (If any):		
Other Learning Resources recommended:		
1. Human Geography, Majid Hussain, KitabMahal Publication (Ed. 2018)		
2. Contemporary Human Geography - Culture, Globalization, Landscape, Roderick P. Neumann, Patricia L. 2018		
3. <i>The Dictionary of Human Geography</i> , Gregory, D., Johnston, R., Pratt, G., Watts, M. and Whatmore, S. (2009), London: Wiley-Blackwell		
4. प्राकृतिक भूविज्ञान, दाते आणि दाते, निराली प्रकाशन, (२०१३)		
5. प्राकृतिक भूगोल, विठ्ठल धारपुरे, पिंपळापुरे प्रकाशन, नागपूर (२०१८)		

Teaching Plan:			
Unit No.	Unit Title	Teaching Methods	No. of Lectures
1	Development and Branches of Human Geography	Chalk and Talk, AV resources, Blogs	10
2	Population Geography	Chalk and Talk, AV resources, Blogs	10
3	Settlement Geography	Chalk and Talk, AV resources, Blogs	10

Evaluation Pattern

A) Continuous Internal Evaluation: Maximum Marks: 20

Method	Marks
(Class test, home assignment, seminar, viva voce, report submission, active class participation and attendance, etc.)	
Home assignment/ Class Test (Unit – I)	15
active class participation and attendance	05
Total	20

B) Semester End Examination: Maximum Marks: 30

Question No. and Sub questions (If any) (E.g. Q. 1 a) ...	Unit and sub unit (with number and title)	Type of Question (Essay / short note / Objective / Diagram, etc.)	Marks
Q. 1	Unit - II	Long answer question / Long answer question	15
Q. 2	Unit - III	Long answer question / Long answer question	15
Total			30

Date: 23/04/2024

Place: Ratnagiri

Signature

Chairperson and HoD

Nomenclature of the Course	Basics Tools in Geography	
Class	FYBA	
Semester	II	
Course Code	UAVSCGEO201	
No. of Credits	2	
Nature	Theory/ Practical/ Project/ other (please specify)	
Type	Choose from these types - VSC Core (Non NEP), Major (Mandatory / Elective) / Minor SEC / VSC / OE / AEC / VEC / RM	
Course Outcomes:		
CO1 – The learner shall be able to create and construct various components of map basics. CO2 – The learner shall be able to explain instruments in geography. CO3 – The learner shall be able to explore various mobile apps related to geography. CO4 – The learner shall be able to explore answers using basic tools in geography.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
1	Map Basics	1.1 Map – Components, classification & importance 1.2 Scale – Type & conversion 1.3 Graticule, direction & bearing 1.4 Enlargement & reduction of map 1.5 Contour – Representation of relief 1.6 Field Sketching & Pace survey
2	Introduction to Instruments	2.1 Weather instruments 2.2 Survey instruments 2.3 Abney level & clinometer
3	Mobile Apps	3.1 GPS 3.2 GPS Compass 3.3 Google Maps 3.4 Google Lens 3.5 Google Earth 3.6 Area Calculation
Prescribed Text/s (If any):		
Other Learning Resources recommended:		
1. Monkhouse F.J. - Maps & Diagrams, Methuen and Co., London, 1971 (3rd Edition, Revised). 2. NCERT - Textbook for Class-12, Practical Work in Geography Part II 3. Peter A. Rogerson - Statistical Methods for Geography, Sege Publishers -2001 4. Robinson A.H. - Elements of Cartography, Wiley 5. Sarkar Ashis - Practical Geography, Orient Black Swan – 2015 6. Sarkar Ashis –Quantitative Geography, Orient Black Swan – 2013 7. Singh R.L. & Singh P. B. - Elements of Practical Geography, Kalyani Publishers 2005		

8. R. N. Mishra & P. K. Sharma – Practical Geography – Methods & Techniques – Pareekh Publications 2023			
9. कार्लेकर श्रीकांत - प्रात्यक्षिक भूगोल, डायमंड पब्लिकेशन			
10. कार्लेकर श्रीकांत – भूगोल शास्त्रातील संशोधन पद्धती, डायमंड पब्लिकेशन– २००७			
11. अहिरराव आणि करंजखेले– प्रात्यक्षिक भूगोल, सुदर्शन प्रकाशन – २००२			
Teaching Plan:			
Unit No.	Unit Title	Teaching Methods	No. of Lectures
1	Map Basics	Chalk and Talk, AV resources	20
2	Introduction to Instruments	Chalk and Talk, AV resources	20
3	Mobile Apps	Chalk and Talk, AV resources, Field Visit	20
Total			60

Evaluation Pattern

A) Continuous Internal Evaluation: Maximum Marks: 20

Method	Marks
(Class test, home assignment, seminar, viva voce, report submission, active class participation and attendance, etc.)	
Activities / Assignment	15
Active class participation and attendance	05
Total	20

B) Semester End Examination: Maximum Marks: 30

Question No. and Sub questions (If any) (E.g. Q. 1 a) ...	Unit and sub unit (with number and title)	Type of Question (Essay / short note / Objective / Diagram, etc.)	Marks
Q.1	Unit I to III	Workbook / Journal	20
Q.2	Unit I to III	Viva voce	10
Total			30

Date: 23/04/2024

Place: Ratnagiri

Signature

Chairperson and HoD

Nomenclature of the Course	Physical Geography of India	
Class	SYBA	
Semester	III	
Course Code	UAGEO301	
No. of Credits	04	
Nature	Theory/ Practical / Project / other (please specify)	
Type	Choose from these types - Major Core (Non NEP), Major (Mandatory / Elective) / Minor SEC / VSC / OE / AEC / VEC / RM	
Course Outcomes:		
CO1 - The learner shall be able to acquaint student with the physiography of India. CO2 - The learner shall be able to describe drainage and climate of India. CO3 - The learner shall be able to analyze the relation between soils and natural vegetation of India. CO4 - The learner shall be able to elaborate minerals & power resources of India. CO5 - The learner shall be able to acquaint student with use of geographic skills and knowledge and prepare them for competitive examination as well as for its implementation in their daily life.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	India: Physiography	1.1 Origin of Indian Subcontinent 1.2 Location, Extent and Significance 1.3 Physiographic divisions of India – Mountainous, Plains 1.4 Physiographic divisions of India – Plateau, Coastal Plains & Islands
II	India: Drainage and Climate	2.1 Drainage System in India 2.2 Major River-basins of India 2.3 Seasons in India 2.4 Distribution of Rainfall and Temperature in India
III	India: Soils and Natural Vegetation	3.1 Soils - types and regional distribution 3.2 Problems of Soil & its Remedies in India 3.3 Forest – types, regional distribution 3.4 Forest – Importance, Deforestation & Remedies
IV	India: Minerals & Power resources	4.1 Minerals: Types and distribution 4.2 Minerals: Distribution in India 4.3 Power Resources: Types and Distribution 4.4 Minerals & Power Resources: Depletion & Conservation
Prescribed Text/s (If any):		

Other Learning Resources recommended:

1. Hussein Majid: (2017) Geography of India, McGraw Hill.
2. Gopal Singh - - Geography of India
3. Khullar D.R.- India – A Comprehensive Geography
4. Singh R.L.- India – A Regional Geography
5. R.C.Tiwari - Geography of india, PrayagPustakBhawan, Allahabad, 2008 (5th edition)
6. ए.डी.गडकरी – मराठीअनुवादGeography of India, केसागरप्रकाशन२०१९
7. प्रा. के. ए. खतीब – भारताचाभूगोल, केसागरप्रकाशन२०१९
8. डॉ. विठ्ठलघारपुरे – भारताचाभूगोल, पिंपळापुणेप्रकाशन२०१६ (५वीआवृत्ती)
9. प्र. ए.पी.चौधरीवसौ. अर्चनाचौधरी – भारताचाभूगोल, प्रश्नपब्लिकेशन, २०१३
10. सप्तर्षी,मोरे, उगले, मुसमाडे – भारताचेभौगोलिकविश्लेषण, डायमंडपब्लिकेशन, २००९
- 11.दिपकबाविस्कर :भारताचाभूगोल, दीपस्तंभप्रकाशन (२०१८)
12. प्रा. सवदी ए. बी. : प्राकृतिक भूगोलाची मूलतत्त्वे (२०१८) निराली प्रकाशन
13. सुमंत सोळंके :समग्र महाराष्ट्राचा व भारताचा भूगोल, ज्ञानदीप अकादमी (UPSC & MPSC), २०१८
14. डॉ. विठ्ठल घारपुरे – भारतव महाराष्ट्राचा भूगोल (MPSC), पिंपळापुणे प्रकाशन २०१२

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	India: Physiography	Chalk and Talk, AV resources	15
II	India: Drainage and Climate	Chalk and Talk, AV resources	15
III	India: Soils and Natural Vegetation	Chalk and Talk, AV resources	15
IV	India: Minerals & Power resources	Chalk and Talk, AV resources	15

Evaluation Pattern**A) Continuous Internal Evaluation: Maximum Marks: 40**

Method	Marks
(Class test, home assignment, seminar, viva voce, report submission, active class participation and attendance, etc.)	
Class Test / Activity	20
Home assignment / Presentation	10
Active class participation and attendance	10
Total	40

B) Semester End Examination: Maximum Marks: 60

Question No. and Sub questions (If any) (E.g. Q. 1 a) ...	Unit and sub unit (with number and title)	Type of Question (Essay / short note / Objective / Diagram, etc.)	Marks
Q. 1	Unit - I	Long answer question / Long answer question	15
Q. 2	Unit - II	Long answer question / Long answer question	15
Q. 3	Unit - III	Long answer question / Long answer question	15
Q. 4	Unit - IV	Long answer question / Long answer question	15
Total			60

Date: 23/04/2024

Place: Ratnagiri

Signature

Chairperson and HoD

Nomenclature of the Course	Agricultural Geography	
Class	SYBA	
Semester	III	
Course Code	UAGEO302	
No. of Credits	02	
Nature	Theory/ Practical/ Project/ other (please specify)	
Type	Choose from these types - Major Core (Non NEP), Major (Mandatory / Elective) / Minor SEC / VSC / OE / AEC / VEC / RM	
Course Outcomes:		
CO1 - The learner shall be able to acquaint students with the importance of agriculture in human civilization.		
CO2 - The learner shall be able to describe the factors affecting agriculture.		
CO3 - The learner shall be able to elaborate the types and trends of agriculture.		
CO4 - The learner shall be able evaluate sustainability in agriculture.		
CO5 - The learner shall be able to acquaint student with use of geographic skills and knowledge and prepare them for competitive examination as well as for its implementation in their daily life.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Agricultural Geography: Introduction & Determinants	1.1 Definition, nature and scope of Agricultural Geography 1.2 Origin & Diffusion of agriculture 1.3 Agriculture and human civilizations in the world 1.4 Physical, Economic, Socio-cultural and Political factors, role of technology
II	Types, Trend & Sustainability in Agriculture	2.1 Types of primitive and subsistence agriculture, Types of commercial agriculture 2.2 Modern trends in industrial crops: horticulture, floriculture, sericulture, polyhouse etc. 2.3 Genetic modification of crops and its impact 2.4 Sustainable agricultural practices, importance of Organic Farming
Prescribed Text/s (If any):		
Other Learning Resources recommended:		
1. Bansil, B. C. (1975): 'Agricultural Problems of India', Delhi.		
2. Gregor, H.P.: Geography of Agriculture. Prentice Hall, New York, 1970.		
3. Grigg, D. (1984): 'An Introduction to Agricultural Geography', Hutchinson Publication, London		
4. Grigg, D.B.(1974) : The Agricultural Systems of the World. CambridgeUniversity Press, New York.		
5.Singh J.(1997): Agricultural Development in South Asia: AComparative A Study in the Green Revolution Experiences,national Books Organization, New Delhi.		

6. Singh, J. and Dhillon, S. S. (1984): ‘Agricultural Geography’, McGrawHill, New Delhi.
 7. Singh, J. and Dhillon, S.S. (1988), “Agricultural Geography”, 2nd edition, Tata McGraw-Hill, NewDelhi
 8. डॉ. विठ्ठलचण्डेकर – कृषिभूगोल, पिंपळपुरी प्रकाशन २०१३

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Agricultural Geography: Introduction & Determinants	Chalk and Talk, AV resources	15
II	Types, Trend & Sustainability in Agriculture	Chalk and Talk, AV resources	15
Total			30

Evaluation Pattern

A) Continuous Internal Evaluation: Maximum Marks: 20

Method	Marks
(Class test, home assignment, seminar, viva voce, report submission, active class participation and attendance, etc.)	
Home assignment/ Class Test	15
active class participation and attendance	05
Total	20

B) Semester End Examination: Maximum Marks: 30

Question No. and Sub questions (If any) (E.g. Q. 1 a) ...	Unit and sub unit (with number and title)	Type of Question (Essay / short note / Objective / Diagram, etc.)	Marks
Q. 1	Unit - I	Long answer question / Long answer question	15
Q. 2	Unit - II	Long answer question / Long answer question	15
Total			30

Date: 23/04/2024

Place: Ratnagiri

Signature

Chairperson and HoD

Nomenclature of the Course	Map Reading & Filling (India)	
Class	SYBA	
Semester	III	
Course Code	UAVSCGEO301	
No. of Credits	02	
Nature	Theory/ Practical/ Project/ other (please specify)	
Type	Choose from these types - VSC Core (Non NEP), Major (Mandatory / Elective) / Minor SEC / VSC / OE / AEC / VEC / RM	
Course Outcomes:		
CO1 - The learner shall be able to explain cartographical techniques in geography.		
CO2 - The learner shall be able to mark the precise locations of geographical Features on the map of India.		
CO3 - The learner shall be able to read & analyse thematic maps of India.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Cartographical techniques	Major cartographical techniques 1.1 Located bars 1.2 Located circles 1.3 Pie charts 1.4 Isopleths, Choropleth 1.5 Flow map 1.6 Pictograms
II	Map Reading	Thematic maps of India – 2.1 Physical aspects 2.2 Human aspect
III	Map Filling	Map-filling on India outline map with reference to – 2.1 Physical features 2.2 Human features
Prescribed Text/s (If any):		
Other Learning Resources recommended:		
1. Monkhouse F.J. - Maps & Diagrams, Methuen and Co., London, 1971 (3rd Edition, Revised).		
2. NCERT - Textbook for Class-12, Practical Work in Geography Part II		
3. Peter A. Rogerson - Statistical Methods for Geography, Sege Publishers -2001		
4. Robinson A.H. - Elements of Cartography, Wiley		
5. Sarkar Ashis - Practical Geography, Orient Black Swan – 2015		
6. Sarkar Ashis –Quantitative Geography, Orient Black Swan – 2013		
7. Singh R.L. & Singh P. B. - Elements of Practical Geography, Kalyani Publishers 2005		
8. R. N. Mishra & P. K. Sharma – Practical Geography – Methods & Techniques – Pareekh Publications 2023		

9. कार्लेकर श्रीकांत - प्रात्यक्षिक भूगोल, डायमंड पब्लिकेशन
 10. कार्लेकर श्रीकांत - भूगोल शास्त्रातील संशोधन पद्धती, डायमंड पब्लिकेशन- २००७
 11. अहिरराव आणि करंजखेले- प्रात्यक्षिक भूगोल, सुदर्शन प्रकाशन - २००२

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Cartographical techniques	Chalk and Talk, AV resources	20
II	Map Reading	Chalk and Talk, AV resources	20
III	Map Filling	Chalk and Talk, AV resources	20
Total			60

Evaluation Pattern

A) Continuous Internal Evaluation: Maximum Marks: 20

Method	Marks
(Class test, home assignment, seminar, viva voce, report submission, active class participation and attendance, etc.)	
Journal/ workbook	15
Active class participation and attendance	05
Total	20

B) Semester End Examination: Maximum Marks: 30

Question No. and Sub questions (If any) (E.g. Q. 1 a) ...	Unit and sub unit (with number and title)	Type of Question (Essay / short note / Objective / Diagram, etc.)	Marks
Q.1	I	Write note. (any one out of two)	10
Q.2	II	Map reading	10
Q.3	III	Map Filling (10 features out of 12)	10
Total			30

Date: 24/04/2024

Place: Ratnagiri

Signature

Chairperson and HoD

Nomenclature of the Course	Economic Geography	
Class	SYBA	
Semester	IV	
Course Code	UAGEO401	
No. of Credits	04	
Nature	Theory/ Practical / Project / other (please specify)	
Type	Choose from these types - Major Core (Non NEP), Major (Mandatory / Elective) / Minor SEC / VSC / OE / AEC / VEC / RM	
Course Outcomes:		
CO1 - The learner shall be able to acquaint student with the economic geography. CO2 - The learner shall be able to describe resources. CO3 - The learner shall be able to elaborate factors, types, regions & problems in industries. CO4 - The learner shall be able to understand the problems, create awareness and promote Interest in soil, water, forest and mineral resource conservation & management. CO5 - The learner shall be able to explain & compared economic theories to local relevance. CO6 - The learner shall be able to acquaint student with use of geographic skills and knowledge and prepare them for competitive examination as well as for its implementation in their daily life.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Introduction to Economic Geography	1.1 Economic Geography : Definition, Nature, Scope & importance 1.2 Economic Geography : Branches & Relation with other sciences 1.3 Factors affecting Economic Activity 1.4 Human Occupations
II	Resources	2.1 Soils –Factors of Soil Formation, Characteristics & Profile 2.2 Water& Forest – Importance, Irrigation, Forest Types 2.3 Minerals: Importance, Classification and distribution 2.4 Conservation and management of soil, water, forest and mineral resources.
III	Industries	3.1 Factors affecting on Industries 3.2 Industries : Major Type 3.3 World Industrial Regions 3.4 Problems Related to Industries
IV	Economic Theories	4.1 Von Thunen’s Theory of Agricultural Land-Use 4.2 Weber’s Theory of Industrial Location 4.3 Christaller’s Central Place Theory 4.4 Rostow’s Model
Prescribed Text/s (If any):		

Other Learning Resources recommended:

1. Knox, P., Agnew, J. and McCarthy, L. (2008): 'The Geography of the World Economy', Hodder Education, UK (ISBN: 978-0-340-94835-4)
2. Potter, R., Binns, T., Elliot, J. and Smith, D. (1999): 'Geographies of Development', Longman, UK (ISBN: 0-582-29825-3)
3. Knox Paul, Agnew John and McCarthy Linda, (2008): The Geography of the World Economy, Hodder Education, UK.
4. Wood Andrew and Roberts Susan, (2011): Economic Geography- Places, network and flows, Routledge, London and New York.
5. Hartshorn A. Truman and Alexander W. John, (2010): Economic Geography, PHI Learning Private Ltd., New Delhi
6. डॉ. विठ्ठलधरपुरे – भारत के भूगोल, पिंपळपुरे प्रकाशन, २०१५
7. मुसमंडी, बिरजिंदर वणी, बैलुमे – आर्थिक भूगोल (२०२१) निरली प्रकाशन
8. प्रसवदी ए. बी. : मन्त्री भूगोल की मूलतत्त्वे (२०१८) निरली प्रकाशन

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Introduction to Economic Geography	Chalk and Talk, AV resources	15
II	Resources	Chalk and Talk, AV resources	15
III	Industries	Chalk and Talk, AV resources	15
IV	Economic Theories	Chalk and Talk, AV resources	15

Evaluation Pattern**A) Continuous Internal Evaluation: Maximum Marks: 40**

Method	Marks
(Class test, home assignment, seminar, viva voce, report submission, active class participation and attendance, etc.)	
Class Test / Activity	20
Home assignment / Presentation	10
Active class participation and attendance	10
Total	40

B) Semester End Examination: Maximum Marks: 60

Question No. and Sub questions (If any) (E.g. Q. 1 a) ...	Unit and sub unit (with number and title)	Type of Question (Essay / short note / Objective / Diagram, etc.)	Marks
Q. 1	Unit - I	Long answer question / Long answer question	15
Q. 2	Unit - II	Long answer question / Long answer question	15
Q. 3	Unit - III	Long answer question / Long answer question	15
Q. 4	Unit - IV	Long answer question / Long answer question	15
Total			60

Date: 23/04/2024

Place: Ratnagiri

Signature

Chairperson and HoD

Nomenclature of the Course	Agriculture & Economic Geography of India	
Class	SYBA	
Semester	IV	
Course Code	UAGEO402	
No. of Credits	02	
Nature	Theory/ Practical/ Project/ other (please specify)	
Type	Choose from these types - Major Core (Non NEP), Major (Mandatory / Elective) / Minor SEC / VSC / OE / AEC / VEC / RM	
Course Outcomes:		
CO1- The learner shall be able to explain agricultural activities in India. CO2 - The learner shall be able to elaborate economic activities in India. CO3 - The learner shall be able to acquaint student with use of geographic skills and knowledge and prepare them for competitive examination as well as for its implementation in their daily life.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Agriculture in India	1.1 Major crops and their distribution 1.2 Green Revolution & Irrigation 1.3 Problems of agriculture & measure to control 1.4 Agricultural policies and programmes
II	Economic activities in India	2.1 Major industrial regions 2.2 Major industries in India 2.3 India - trade 2.4 India - transport
Prescribed Text/s (If any):		
Other Learning Resources recommended:		
1. Hussein Majid: (2017) Geography of India, McGraw Hill. 2. Gopal Singh - - Geography of India 3. Khullar D.R.- India – A Comprehensive Geography 4. Singh R.L.- India – A Regional Geography 5. R.C.Tiwari - Geography of india, PrayagPustakBhawan, Allahabad, 2008 (5 th edition) 6. ए.डी.गडकरी – मराठीअनुवादGeography of India, केसागरप्रकाशन२०१९ 7. प्रा. के. ए. खतीब – भारताचा भूगोल, केसागर प्रकाशन२०१९ 8. डॉ. विठ्ठलघारपुरे – भारताचाभूगोल, पिंपळापुरेप्रकाशन२०१६ (५वीआवृत्ती) 9. प्र. ए.पी.चौधरीवसौ. अर्चनाचौधरी – भारताचाभूगोल, प्रश्नपब्लिकेशन, २०१३ 10. सप्तर्षी,मोरे, उगले, मुसमाडे – भारताचेभौगोलिकविश्लेषण, डायमंडपब्लिकेशन, २००९ 11.दिपकबाविस्कर :भारताचाभूगोल, दीपस्तंभप्रकाशन (२०१८) 12. प्रा. सवदी ए. बी. : प्राकृतिक भूगोलाची मूलतत्त्वे (२०१८) निराली प्रकाशन		

13. सुमंत सोळंके :समग्र महाराष्ट्राचा व भारताचा भूगोल, ज्ञानदीप अकादमी (UPSC & MPSC), २०१८
 14. डॉ. विठ्ठल धारपुरे – भारतव महाराष्ट्राचा भूगोल (MPSC), पिंपळापुणे प्रकाशन २०१२

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Agriculture in India	Chalk and Talk, AV resources	15
II	Economic activities in India	Chalk and Talk, AV resources	15
Total			30

Evaluation Pattern

A) Continuous Internal Evaluation: Maximum Marks: 20

Method	Marks
(Class test, home assignment, seminar, viva voce, report submission, active class participation and attendance, etc.)	
Home assignment/ Class Test	15
active class participation and attendance	05
Total	20

B) Semester End Examination: Maximum Marks: 30

Question No. and Sub questions (If any) (E.g. Q. 1 a) ...	Unit and sub unit (with number and title)	Type of Question (Essay / short note / Objective / Diagram, etc.)	Marks
Q. 1	Unit - I	Long answer question / Long answer question	15
Q. 2	Unit - II	Long answer question / Long answer question	15
Total			30

Date: 23/04/2024

Place: Ratnagiri

Signature

Chairperson and HoD

Nomenclature of the Course	Cartographic Techniques	
Class	SYBA	
Semester	IV	
Course Code	UAVSCGEO401	
No. of Credits	02	
Nature	Theory/ Practical/ Project/ other (please specify)	
Type	Choose from these types - VSC Core (Non NEP), Major (Mandatory / Elective) / Minor SEC / VSC / OE / AEC / VEC / RM	
Course Outcomes:		
CO1 - The learner shall be able to explain basics of graphs. CO2 - The learner shall be able to mark construction of graphs from given data. CO3 - The learner shall be able to prepare thematic maps of India using various cartographical techniques.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Basics of graphs	1.1 Line graph – Simple, multiple and band graph 1.2 Bar graphs – Simple, multiple and compound 1.3 Pie charts
II	Construction of graphs	2.1 Line graph – Simple, multiple and band graph 2.2 Bar graphs – Simple, multiple and compound 2.3 Pie charts
III	Map making	Thematic map Making (India) – 3.1 Choropleth, Isopleth, 3.2 Dotmap, Pictogram, Flow map 3.3 Located proportional circle & square
Prescribed Text/s (If any):		
Other Learning Resources recommended:		
1. Monkhouse F.J. - Maps & Diagrams, Methuen and Co., London, 1971 (3rd Edition, Revised).		
2. NCERT - Textbook for Class-12, Practical Work in Geography Part II		
3. Peter A. Rogerson - Statistical Methods for Geography, Sege Publishers -2001		
4. Robinson A.H. - Elements of Cartography, Wiley		
5. Sarkar Ashis - Practical Geography, Orient Black Swan – 2015		
6. Sarkar Ashis –Quantitative Geography, Orient Black Swan – 2013		
7. Singh R.L. & Singh P. B. - Elements of Practical Geography, Kalyani Publishers 2005		
8. R. N. Mishra & P. K. Sharma – Practical Geography – Methods & Techniques – Pareekh Publications 2023		
9. कार्लेकर श्रीकांत - प्रात्यक्षिक भूगोल, डायमंड पब्लिकेशंस		
10. कार्लेकर श्रीकांत – भूगोल शास्त्रातील संशोधन पद्धती, डायमंड पब्लिकेशंस- २००७		
11. अहिरराव आणि करंजखर्च- प्रात्यक्षिक भूगोल, सुदर्शन प्रकाशन – २००२		

Teaching Plan:			
Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Basics of graphs	Chalk and Talk, AV resources	20
II	Construction of graphs	Chalk and Talk, AV resources	20
III	Map making	Chalk and Talk, AV resources	20
Total			60

Evaluation Pattern

A) Continuous Internal Evaluation: Maximum Marks: 20

Method	Marks
(Class test, home assignment, seminar, viva voce, report submission, active class participation and attendance, etc.)	
Journal/ workbook	15
Active class participation and attendance	05
Total	20

B) Semester End Examination: Maximum Marks: 30

Question No. and Sub questions (If any) (E.g. Q. 1 a) ...	Unit and sub unit (with number and title)	Type of Question (Essay / short note / Objective / Diagram, etc.)	Marks
Q.1	I	Write note. (any one out of two)	10
Q.2	II	Construction of graphs (any one out of two)	10
Q.3	III	Map making (any one out of two)	10
Total			30

Date: 23/04/2024

Place: Ratnagiri

Signature

Chairperson and HoD