SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI

(As Per National Education Policy-NEP-2020)

Commencement Year-2024-2025
Revised From- 2026-27

Generic/ Open Elective (OE)

Other than Faculty of Humanities

Subject: Geography

Semester I to IV

Level	Semester	Course Code	Course Name	Credits	Teaching Hours	Exam Duration	Max Marks
4.5	**I**	**622261**	**Generic/ Open Elective (OE)-1 Geography of India**	**2**	**30 Hrs.**	**2 Hrs.**	**External -30 Internal - 20 Total -50**

Course Objectives:	1. To acquaint the student with basic knowledge of our country. 2. To aware the student about physiographical, drainage and climate. 3. To aware the student about the major crops and industrial region 4. To make student ready for competitive examination.
Course Outcomes:	1. Analyze the concept of unity within diversity and how it has shaped India's national identity. 2. Identify and describe the major physical divisions of India. 3. Differentiate between the major river systems of India including the Himalayan and Peninsular rivers. 4. Describe the characteristics and causes of the Indian monsoon and its seasonal variations. 5. Identify and classify the major soil types found in India including alluvial, black, red, laterite, and desert soils. 6. Map the spatial distribution of major crops like wheat, rice, cotton, and sugarcane across different regions of India.

Unit System	Contents	Workload Allotted	Weightage of Marks Allotted	Incorporation of Pedagogies
Unit I	India in the context of world., physical Division of India.	8 Hrs	8 Marks	**1.** Provide students with blank maps of India. Ask them to label major mountain ranges, rivers, plains, and plateaus. Use physical maps for reference. 2. Use weather maps, satellite images, and rainfall data to study the monsoon patterns. Discuss how the monsoon affects different regions and the agricultural calendar. 3. Overview of the climatic conditions suitable for different crops
Unit II	Drainage system of India .Himalaya Drainage and Peninsular Drainage	7 Hrs	7 Marks	
Unit III	Indian Climate: The Monsoon, Western Disturbance, Norwesters.	8 Hrs	8 Marks	
Unit IV	Major crops in India: Wheat, Rice, Cotton, Sugarcane. Industrial region of India.	7 Hrs	7 Marks	

References:	**References:** 1) Deshpande C. D.: India A Regional Interpretation, northern Bok Centre, New Delhi 1992. 2) Sing R. L. Regional Geography National Geography Society India Varanasi 1995.

	3) Wadia D. N. Geology of India Macmillan & Co. Calcutta. 4) Khullar D. R.- India - A Comprehensive Geography, Kalyani Publishers 2011. 5) अहिरराव, अलीशहा, धापते, धरात भारताचा भूगोल निराली प्रकाशन पुणे. 6) सारंग सुभाषचंद्रः भारताचा भूगोल विद्या प्रकाशन नागपूर. 7) घारपुरे विठ्ठल: भारत भौगोलीक विष्लेषण पिंपळापुरे प्रकाशन नागपुर 8) घारपुरे विठ्ठल: भारताचा भूगोल पिंपळापुरे प्रकाशन नागपुर 9) घारपुरे विठ्ठल : भारताचा भूगोल पिंपळापुरे प्रकाशन नागपुर 10) चातुभुज मामोरीयाः प्रत्यक्षिक भूगोल सुमेरु प्रकाशन डोंबिवली पूव १९९८
Internal Assessment (20 Marks)	Internal assessment shall be carried out by the respective course teacher by choosing variety of assessment tools/ methods such as class test, record book, seminar, case study, field work mini project work quiz or any innovative method, which may be deemed to be appropriate for assessing the relevant course outcomes.

Level	Semester	Course Code	Course Name	Credits	Teaching Hours	Exam Duration	Max Marks
4.5	**I**	**622262**	**Generic/ Open Elective (OE)-2 Geography of Maharashtra**	**2**	**30 Hrs.**	**2 Hrs.**	**External -30 Internal - 20 Total -50**

Course Objectives:	1. To acquaint the student with basic knowledge of our state. 2. To aware the student about physiographical , drainage and climate of Maharashtra.. 3. To aware the student about the major crops and industrial region of Maharashtra. 4. To make student ready for competitive examination.
Course Outcomes:	1. Students will gain a comprehensive understanding of Maharashtra. 2. Students will be able to identify and describe the physical divisions of Maharashtra. 3. Students will analyze the distribution of rainfall across different regions of Maharashtra. 4. Students will identify various soil types found in Maharashtra. 5. Students will learn about traditional and modern agricultural practices used for cultivating these major crops. 6. Students will gain knowledge about the key mineral resources found in Maharashtra. 7. Students will understand the importance of coal as a power resource in Maharashtra and its role in the state's energy production Identify

Unit System	Contents	Workload Allotted	Weightage of Marks Allotted	Incorporation of Pedagogies
Unit I	Maharashtra in the context of India, Physical and administrative division of Maharashtra,	8 Hrs	8 Marks	.1) Provide students with blank maps. Ask them to label major physical features.and administrative boundaries 2) Use graphs, charts, and diagrams to visualize climate data and trends. 3) Invite experts to speak about Maharashtra's climate, weather patterns, and climate change. 4) Correlate crop types with soil and climate conditions. 5) Create a comprehensive guide to Maharashtra's tourist places.
Unit II	Drainage System of Maharashtra, Climate and tis characteristics, Distribution of rainfall,	7 Hrs	7 Marks	
Unit III	Major Crops in Maharashtra: Wheat, Rice, Jawar, Cotton & Sugarcane.	8 Hrs	8 Marks	
Unit IV	Major industries : Sugar, and Textile, Industrial region of Maharashtra. Tourist Places. Of Maharashtra	7 Hrs	7 Marks	

References:

Course Material/Learning Resources

1) Arunachalam B. : Geography of Maharashtra.
2) Deshapande C.D. : Geography of Maharashtra, Northern Book Centre, New Delhi.
3) Sawadi&Keche : Maharashtra.
4) Deshpande : Economy of Maharashtra.
5) Dixshit K. R. : Maharashtra in Maps.

	DidderJaymala :Geography of Maharashtra, Rawat publication. 2002 7) Censes Atlas : Govt. of Maharashtra. 8) Sing R. L. : Elements of Practical Geography, Manav Books. 2015 9) फुले सुरेश : महाराष्ट्राचा भूगोल औरंगपुरा, औरंगाबाद .२००९ 10) केचे पांडुरंग : महाराष्ट्राचा भूगोल. 11) पाटील टी. पी. : महाराष्ट्राचा भूगोल. 12) सवदी ए. बी. : महाराष्ट्राचा भूगोल निराली प्रकाशन, पुणे. 13) सावंत प्रकाश : महाराष्ट्राचा भूगोल फडके प्रकाशन २००२ 14) घारपुरे विठ्ठल : महाराष्ट्राचा भूगोल पिंपळापुरे ,प्रकाशन, नागपूर २०१८. 15) मगर जयकुमार : महाराष्ट्राचा भूगोल, नागपूर.१९९० 16) पाटील व्ही.जे. : महाराष्ट्राचा भूगोल भूगोल, प्रशांत प्रकाशन २०१० 17) कार्लेकर श्रीकांत व सागळे शैलजा : महाराष्ट्राचा भूगोल, डायमंड प्रकाशन पुणे २००९
Internal Assessment (20 Marks)	Internal assessment shall be carried out by the respective course teacher by choosing variety of assessment tools/ methods such as class test, record book, seminar, case study, field work mini project work quiz or any innovative method, which may be deemed to be appropriate for assessing the relevant course outcomes.

Level	Semester	Course Code	Course Name	Credits	Teaching Hours	Exam Duration	Max Marks
4.5	**II**	**622263**	**Generic/ Open Elective (OE)-3 Physical Geography of World**	**2**	**30 Hrs.**	**2 Hrs.**	**External -30 Internal - 20 Total -50**

Course Objectives:	1. To understand the distribution and characteristics of continents and oceans. 2. To study the major landforms of the world. 3. To examine the major climatic regions of the world. 4. To analyze the drainage systems and river networks of the world. 5. To develop knowledge of global physical geography.
Course Outcomes:	1. Students will identify major continents and oceans of the world. 2. Students will explain the characteristics of major landforms. 3. Students will describe major climatic regions and their features. 4. Students will analyze world drainage systems and river patterns. 5. Students will develop a comprehensive understanding of global physical geography.

Unit System	Contents	Workload Allotted	Weightage of Marks Allotted	Incorporation of Pedagogies
Unit I	**Continents and Oceans:** Continents: Distribution and Characteristics Oceans: Distribution and Characteristics Importance of Continents and Oceans Major Physiographic Divisions of the World	8 Hrs	8 Marks	**Lecture Method –** Teaching fundamental concepts of world physical geography through classroom instruction. **Map-Based Learning –** Identification and interpretation of continents, oceans, landforms, climatic regions, and river systems on maps. **ICT-Based Teaching –** Use of digital maps, GIS, Google Earth, videos, and multimedia presentations. **Project-Based Learning** – Preparation of assignments and projects on world physical features and environmental issues. **Group Discussion and Seminar –** Discussion of global geographical phenomena and contemporary environmental challenges.
Unit II	**Major Landforms of the World:** Mountains Types, ,Distribution and Characteristics, Plateaus: Types, Distribution and Characteristics, Plains: Types, Distribution and Characteristics Significance of Major Landforms	7 Hrs	7 Marks	
Unit III	**Major Climatic Regions of the World:** Equatorial Climate, Tropical Monsoon Climate, Desert Climate, Mediterranean Climate, Temperate and Polar Climate	8 Hrs	8 Marks	
Unit IV	**World Drainage Systems and Rivers:** Drainage System: Meaning and Types, Major River Systems of the World, Rivers of Asia, Africa, Europe, North America and South America	7 Hrs	7 Marks	
References:	**1. References / Learning Resources**			

	2. Strahler, A.N. & Strahler, A.H. (2010): *Introducing Physical Geography*, John Wiley & Sons. 3. Monkhouse, F.J. (2009): *Principles of Physical Geography*, Hodder Education. 4. Singh, Savindra (2020): *Physical Geography*, Prayag Pustak Bhawan, Allahabad. 5. De Blij, H.J. & Muller, P.O. (2013): *World Regional Geography*, Wiley India. 6. NCERT (2022): *Fundamentals of Physical Geography*, National Council of Educational Research and Training, New Delhi. 7. सिंह, सविन्द्र (2020): *भौतिक भूगोल,* प्रयाग पुस्तक भवन, इलाहाबाद 8. हुसैन, माजिद (2018): *विश्व का प्रादेशिक भूगोल,* रावत पब्लिकेशन, जयपुर 9. बंसल, सुरेश चन्द्र (2017): *विश्व भूगोल,* मीनाक्षी प्रकाशन, मेरठ 10. सिंह, गोपाल (2019): *भूगोल : एक समग्र अध्ययन,* आत्माराम अँड सन्स, दिल्ली 11. जाधव, शरद (2018): *भूगोलाचे मूलतत्त्वे,* विद्या प्रकाशन, पुणे 12. सावत, बी. आर. (2019): *जागतिक भूगोल,* फडके प्रकाशन, कोल्हापूर 13. कांबळे, य. रा. (2018): *जगाचा भूगोल,* विद्या बुक्स पब्लिशर्स, औरंगाबाद 14. मौर्य, एस. डी. (मराठी आवृत्ती) (2020): *भौतिक व प्रादेशिक भूगोल,* शारदा पुस्तक भवन
Internal Assessment (20 Marks)	Internal assessment shall be carried out by the respective course teacher by choosing variety of assessment tools/ methods such as class test, record book, seminar, case study, field work mini project work quiz or any innovative method, which may be deemed to be appropriate for assessing the relevant course outcomes.

Level	Semester	Course Code	Course Name	Credits	Teaching Hours	Exam Duration	Max Marks
4.5	**II**	**622264**	**Generic/ Open Elective (OE)-4 Environmental Geography**	**2**	**30 Hrs.**	**2 Hrs.**	**External -30 Internal - 20 Total -50**

Course Objectives:	1. To understand the concept, nature, scope, need, and importance of Environmental Geography. 2. To examine the relationship between humans and the environment and the role of natural and man-made environmental factors. 3. To study natural resources, their importance, classification, and sustainable utilization. 4. To understand ecosystem structure, functions, biodiversity, and issues related to biodiversity conservation.
Course Outcomes:	1. Explain the basic concepts, nature, scope, and importance of Environmental Geography. 2. Analyze the interaction between human beings and the environment. 3. Identify different types of natural resources and understand their significance for sustainable development. 4. Describe ecosystem functions, biodiversity patterns, and the need for biodiversity conservation. 5. Assess various forms of environmental pollution and suggest appropriate control measures.

Unit System	Contents	Workload Allotted	Weightage of Marks Allotted	Incorporation of Pedagogies
Unit I	**Environmental Geography :** Definition, Nature & Scope of Environmental Geography, Need & Importance of Environmental Geography,	8 Hrs	8 Marks	**Lectures and Interactive Discussions** for explaining environmental concepts and issues **Case Study Method** for analyzing environmental problems and sustainable development practices. **Field Visits and Environmental Surveys** to observe local environmental conditions **Project-Based Learning** on pollution control, biodiversity, and resource conservation. **ICT-Based Teaching** using maps, videos, presentations, and online environmental resources.
Unit II	**Natural Resources:** Definition of Natural Resources, importance of Natural Resources, Types of Natural Resources: Renewable and non-renewable	7 Hrs	7 Marks	
Unit III	**Ecosystem:** Ecosystem: Meaning, Components and function, types of ecosystem: Forest, Grassland, Desert fresh water and Marine	8 Hrs	8 Marks	
Unit IV	**Environmental Pollution:** concept of pollution, Types of Pollution: Air, Water, Noise and Solid waste, Causes and Effects of Pollution , Control and solution of the all Pollution	7 Hrs	7 Marks	

References:	**Reference Books:** 1. Savindra Singh (2020). *Environmental Geography*. Prayag Pustak Bhawan, Allahabad.

	2. Cunningham, W.P. & Cunningham, M.A. (2021). *Principles of Environmental Science*. McGraw-Hill Education. 3. Miller, G.T. & Spoolman, S.E. (2020). *Living in the Environment*. Cengage Learning. 4. Odum, E.P. & Barrett, G.W. (2017). *Fundamentals of Ecology*. Cengage Learning. 5. Saxena, H.M. (2019). *Environmental Geography*. Rawat Publications, Jaipur. 6. Singh, R.B. (2018). *Environmental Geography*. Heritage Publishers, New Delhi. 7. सिंह, सविन्द्र (2020). *पर्यावरण भूगोल.* प्रयाग पुस्तक भवन, इलाहाबाद। 8. यादव, चन्द्रशेखर (2018). *पर्यावरण भूगोल.* शारदा पुस्तक भवन, इलाहाबाद। 9. सिंह, जगदीश (2019). *पर्यावरण अध्ययन एवं पर्यावरण भूगोल.* राधा पब्लिकेशन्स, नई दिल्ली। 10. शर्मा, पी.डी. (2020). *पर्यावरण एवं पारिस्थितिकी.* रस्तोगी पब्लिकेशन्स, मेरठ। 11. शिंदे, एस.डी. (2020). *पर्यावरण भूगोल.* फडके प्रकाशन, कोल्हापूर. 12. माने, बी.एस. (2019). *पर्यावरण भूगोल.* विद्या प्रकाशन, नागपूर. 13. पाटील, ए.बी. (2018). *पर्यावरण आणि परिसंस्था.* प्रशांत पब्लिकेशन्स, जळगाव. 14. जाधव, तुकाराम (2021). *पर्यावरण अध्ययन.* निराली प्रकाशन, पुणे.
Internal Assessment (20 Marks)	Internal assessment shall be carried out by the respective course teacher by choosing variety of assessment tools/ methods such as class test, record book, seminar, case study, field work mini project work quiz or any innovative method, which may be deemed to be appropriate for assessing the relevant course outcomes.

Level	Semester	Course Code	Course Name	Credits	Teaching Hours	Exam. Duration	Max. Marks
5.0	**III**	**622265**	**Generic/ Open Elective (OE)-5 Human Geography**	**2**	**30 Hrs.**	**2 Hrs.**	**External-30 Internal-20 Total-50**

Course Objectives:	1) The course shall introduce major themes, subtitles and relevance's of human geography. 2) The course will enable learners to appreciate inter relationship between space and Society, cultural regions and languages. 3) The paper will enable to acquire knowledge on the history and evolution of humans. 4) This course shell provide understanding related to world population growth patterns.
Course Outcomes:	1) The students will have ability to understand the basic concepts, nature and relevance's of human geography. 2) The learner will be able to know the changing human and cultural landscape at different levels. 3) The students will be able to understand the history and evolution of human races. 4) The students will be well-versed with the word population growth patterns

Unit System	Contents	Workload Allotted	Weightage of Marks Allotted	Incorporation of Pedagogies
Unit I	Definition, nature and scope of human geography, branches of human geography, concepts in human geography: determinism, Possibilism, and Neo-determinism	8 Hrs.	8 Marks	These pedagogies aim not only to convey knowledge but also to develop critical thinking, spatial awareness, and socio-political understanding. Centers race and racism in the curriculum and explores how systemic racism is embedded in institutions and everyday life. It looks like you're asking about the pedagogies (teaching methods) used in teaching the factors affecting the location of economic activities—a key topic in economic geography. This subject examines why industries, agriculture, services, and other economic activities
Unit II	Major human races of the world, spatial distribution of major languages across the India, Religions of India - Hindu, Islam and Buddhism.	7 Hrs.	7 Marks	
Unit III	Factors affecting location of economic activity, Types of economic activities: Primary, Secondary and Tertiary, classification of resources.	8 Hrs.	8 Marks	

Unit IV	Growth and distribution of Indian population, Concept of over and under population, Causes and consequences of migration.	7 Hrs.	7 Marks	are located where they are.

References:	1. Bergwan, Edward E: Human Geography; Culture, Connections and Landscape, Prentice-Hall, New Jersey.1995. 2. Carr, M.: Patterns, Process and change in Human Geography. MacMillan Education, London, 1987. 3. Fellman, J.L.: Human Geography—Landscapes of Human Activities. Brown and Benchman Pub.,U.S.A., 1997. 4. D.S. Lal: Climatology, Sharda Pustak Bhavan, Allahabad, 2010. 5. Majid Hussin; Human Geography, Sixth Edition, Book Emporium, Guwahati, 2020 6. सवदी व कोळेकर; मानवी भूगोल,निराली प्रकाशन पुणे २०२०. 7. सवदी व कोळेकर; प्राकृतिक भूगोल. निराली प्रकाशन पुणे. २०२०. 8. दाते व दाते; प्राकृतिक भूविज्ञान अनिरुद्ध पब्लिकेशन हाऊस, पुणे२०२०. 9. आर. जी. जाधव; मानवी भूगोल. प्रारूप पब्लिकेशन, कोल्हापूर. २०१९. 10. मोरे व पगार; ; प्राकृतिक भूगोल. निराली प्रकाशन, पुणे.२०१९. 11. शिंदे ,चोरे, धुलगुडे व शिंदे ,मानव भूगोल फडके प्रकाशन कोल्हापूर, २०२३.
Internal Assessment (20 Marks)	Internal assessment shall be carried out by the respective course teacher by choosing variety of assessment tools/ methods such as class test, record book, seminar, case study, field work mini project work quiz or any innovative method, which may be deemed to be appropriate for assessing the relevant course outcomes.

Level	Semester	Course Code	Course Name	Credits	Teaching Hours	Exam. Duration	Max. Marks
5.0	**IV**	**622266**	**Generic/ Open Elective (OE)-6 Physical Geography**	**2**	**30 Hrs.**	**2 Hrs.**	**External-30 Internal-20 Total-50**

Course Objectives:	1) To define the field of physical geography and to understand the spheres of the earth. 2) To provide an understanding of spatial patterns and interrelationship among physical elements of the earth. 3) To provide a theoretical and empirical understanding of Endogenetic and Exogenetic processes shaping earth's surface. 4) Enable learners to explain the concepts, linkages and processes in the earth's atmosphere and hydrosphere.
Course Outcomes:	1) Will able to understand basic concepts in physical geography and understand the spheres of the earth. 2) Will able to understand and analyze how operating factors affect the process operating on the earth surface. 3) Will have ability to describe the elements of atmosphere and oceans. 4) Will have ability to analyze the dynamics of the earth's atmosphere and hydrosphere.

Unit System	Contents	Workload Allotted	Weightage of Marks Allotted	Incorporation of Pedagogies
Unit I	Definition, nature and scope of physical Geography, Branches of physical Geography, Relation of Physical Geography with other disciplines.	8 Hrs.	8 Marks	Pedagogies of Physical Geography refer to the various teaching methods, strategies, and approaches used to effectively deliver and engage students with the content of physical Geography, Helps students observe physical processes directly (e.g., river erosion, coastal processes). Encourages students to explore geographical phenomena by asking questions, conducting investigations, and drawing conclusions
Unit II	Origin and evolution of Earth, Interior of the earth, Earthquakes, Volcano.	7 Hrs.	7 Marks	
Unit III	Concept of weather and climate, Composition and structure of atmosphere, Heat budget of the earth, Air pressure and winds - Planetary winds.	8 Hrs.	8 Marks	

Unit IV	**Oceanography:** Meaning, Definition and Scope of Oceanography, Major Oceans of the World, Ocean Floor Relief Features: Continental Shelf, Continental Slope, Abyssal Plains, Trenches and Mid-Oceanic Ridges	7 Hrs.	7 Marks	
References:	1. Dayal, P; A Text book of Geomorphology. Shukla Book depot, Patna,1996. 2. Dury, G.H. : The Face of the Earth, Penguins, 3. Critchfield, H : General Climatology, Prentice-Hall, New York,1975. 4. ICSSR: A Survey of Research in Physical Geography. Concept, New Delhi, 1983. 5. D.S. Lal: Climatology, Sharda Pustak Bhavan, Allahabad, 2010. 6. Singh ,S. :Geomorphology, Prayag Pustakalaya, Allahabad,1998. 7. सवदी व कोळेकर; मानवी भूगोल,निराली प्रकाशन पुणे २०२०. 8 सवदी व कोळेकर; प्राकृतिक भूगोल. निराली प्रकाशन पुणे. २०२०. 9 दाते व दाते; प्राकृतिक भूविज्ञान अनिरुद्ध पब्लिकेशन हाऊस, पुणे२०२०. 10 आर. जी. जाधव; मानवी भूगोल. प्रारूप पब्लिकेशन, कोल्हापूर. २०१९. 11 मोरे व पगार; ; प्राकृतिक भूगोल. निराली प्रकाशन, पुणे.२०१९. 12. शिंदे ,चोरे, धुलगुडे व शिंदे ,मानव भूगोल फडके प्रकाशन कोल्हापूर, २०२३.			
Internal Assessment (20Marks)	Internal assessment shall be carried out by the respective course teacher by choosing variety of assessment tools/ methods such as class test, record book, seminar, case study, field work mini project work quiz or any innovative method, which may be deemed to be appropriate for assessing the relevant course outcomes.			