DEPARTMENT OF GEOGRAPHY

BA (Hons.) Geography

Category-I

DISCIPLINE SPECIFIC CORE COURSE – 1 (DSC-1) –: PHYSICAL GEOGRAPHY

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course (if any)
		Lecture	Tutorial	Practical/ Practice		
PHYSICAL GEOGRAPHY	**4**	**3**	**1**	**-**	**12th Pass**	**NIL**

Learning Objectives

The Learning Objectives of this course are as follows:

- To explain the concept, definition and scope of earth systems.
- To recognize the structure of the Earth and describe its characteristic features.
- To understand the atmospheric composition and structure.

Learning outcomes

The Learning Outcomes of this course are as follows:
The students will be able:

- To classify earth into various domains according to its physical features.
- To differentiate between lithosphere, hydrosphere, atmosphere and biosphere, and to understand interrelationship between them.
- To explain the atmospheric composition and structure.
- To assess the impact of anthropogenic activities on earth systems.

SYLLABUS OF DSC-1

UNIT – I (4 Hours)
Physical Geography: Definition, Nature, Scope, Earth as a System and its Components

UNIT – II (16 Hours)
Atmosphere: Composition and Structure, Energy: Insolation and Temperature, Motion in the atmosphere: pressure and circulation

UNIT – III (16 Hours)
Lithosphere: Earth's Interior, Isostasy, Earth's movement: endogenic including folding and faulting and exogenic forces

UNIT – IV (12 Hours)
Hydrosphere: Hydrological Cycle, Ocean Water Movement – Currents and Tides

UNIT – V (12 Hours)
Biosphere: Soil and Vegetation – Factors and Distribution

Practical component (if any) - NIL

Essential/recommended readings

1. Alan H. Strahler and Arthur Strahler (1992). Modern Physical Geography Fourth Edition, John Wiley & Sons, Canada.
2. Barry, R. G., and Chorley, R. J. (2009). Atmosphere, Weather and Climate (9th Edition). Routledge, New York, USA.
3. Christopherson, R. W. and Birkeland, G. H. (2012). Geosystems: An Introduction to Physical Geography (8th edition). Pearson Education, New Jersey, USA.
4. Gupta, L.S. (2000). JalvayuVigyan(Hindi). Hindi Madhyam Karyanvayan Nidishalya, Delhi.
5. Lal, D. S. (2006). JalvayuVigyan (Hindi). PrayagPustakBhavan, Allahabad, India.
6. Sharma, V.K. (2010). Introduction to Process Geomorphology. CRC Press Taylor & Francis Group.
7. Singh, S. (2009). Bhautik Bhugol ka Swaroop (Hindi). Prayag Pustak. Allahabad, India.
8. Tarbuck, E.J., Lutgens, F.K. and Tasa, D. (2012). Earth Science, Thirteenth Edition. Prentice Hall, Delhi
9. Trujillo, A.P., and Thruman, H.V. (2017). Essentials of Oceanography. PHI., New Delhi.

Suggestive readings (if any)

DISCIPLINE SPECIFIC CORE COURSE – 2 (DSC-2): HUMAN GEOGRAPHY

Credit distribution, Eligibility and Prerequisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course (if any)
		Lecture	Tutorial	Practical/ Practice		
HUMAN GEOGRAPHY	4	3	1	-	12th Pass	NIL

Learning Objectives

The Learning Objectives of this course are as follows:

- To understand various dimensions of human geography and cultural landscape.
- To analyses the population growth and distribution.
- To understand the relationship between population and resource.

Learning outcomes

The Learning Outcomes of this course are as follows:

- Detailed exposure of contemporary relevance of cultural landscape.
- In-depth knowledge of space and society of cultural regions.
- Understanding the settlement pattern and population resource relationship.

SYLLABUS OF DSC- 2

UNIT – I (8 Hours)
Human Geography: Definition, Scope and Major Themes; Contemporary Relevance, Understanding Cultural Landscape.

UNIT – II (16 Hours)
Population: World Population Growth – Trends and Patterns, Population Composition (Residence, Literacy and Age).

UNIT – III (12 Hours)
Space and Society: Cultural Regions, Tribes, Religion and Language.

UNIT – IV (12 Hours)
Settlements: Types of Rural Settlements; Classification of Urban Settlements; Trends and Patterns of World Urbanization.

UNIT – V (12 Hours)
Human Development – Measurements (HDI and IHDI), Regional Variations and Sustainable Development Goals.

Practical component (if any) - NIL

Essential/recommended readings

1. Chandna, R.C. (2017). Geography of Population. Kalyani Publishers, Ludhiana, India.
2. Hassan M.I. (2020). Population Geography-A Systematic Exposition. Routledge Taylor and Francis Group, New York.
3. Human Development Reports of United Nations Development Program.
4. Hussain Majid (2021). Human Geography. Rawat Publication.
5. Majid, Hussain (2012). Manav Bhugol. Rawat Publication.
6. Maurya, S.D. (2012). Manav Bhugol. Sharda Pustak Bhawan, Allahabad, India.
7. Patra, P. et. al.(2021). Perspectives of Human Geography. Concept Publications, New Delhi.
8. Rubenstein, J.M. (2008). An Introduction to Human Geography: The Cultural Landscape. Pearson Prentice Hall, NJ.
9. Saroha, J. (2021). Jansankhya Bhugol, Janankiki evam Jansankhya Adhayan. M.K. Books, New Delhi.
10. Singh, S and Saroha, J. (2021). Human and Economic Geography. Pearson Publication.

Suggestive readings (if any)

DISCIPLINE SPECIFIC CORE COURSE– 3 (DSC-3): DIGITAL CARTOGRAPHY (PRACTICAL)

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course(if any)
		Lecture	Tutorial	Practical/ Practice		
DIGITAL CARTOGRAPHY (PRACTICAL)	4	-	-	4	12th Pass	NIL

Learning Objectives

The Learning Objectives of this course are as follows:

- Create professional and aesthetically pleasing maps through thoughtful application of cartographic conventions digitally.
- Develop an understanding of the concepts regarding scale, map projections to suit map purposes digitally.
- Better understand the techniques of interpretation of topographical and weather maps through digital cartographic techniques.

Learning outcomes

The Learning Outcomes of this course are as follows:
This is a practical hands-on course, when the students have completed this course, they are able:

- To explain how maps work, conceptually and technically and also will be able to understand the science and art of cartography through digital techniques.
- To recognize the benefits and limitations of some common map projections and their use.
- To understand and perform interpretation of topographical maps and weather maps.

SYLLABUS OF DSC-3

UNIT – I (12 Hours)

1.1. Maps: Concepts and classification, Coordinate system, Nature and Scope-Analogue and Digital cartography)
1.2. History and evolution of Cartography: Western and Indian perspectives
1.3. Digital Cartography: Basics of Raster and Vector Data

UNIT – II (12 Hours)

Scale: Plain, Comparative and Diagonal: Construction and Applications

UNIT – III (16 Hours)
Map Projections: Concept of Datum and Spheroid, Fundamentals of Projections-Classification, Properties, Uses and limitations of Polar Zenithal-Stereographic, Conical projection with two standard parallel and Mercator's Projections. Concept and Use of UTM.

UNIT – IV (12 Hours)
Interpretation of Topographic Maps, Conventional symbols, Cross and Longitudinal Profiles, Identification and Inter-relationships between physical and cultural features in the mountain regions.

UNIT – V (8 Hours)
Concept of Map elements in Digital Cartography

Practical components – Lab Exercises **(30 Hours)**

1.1. Using online maps for place look-ups, latitude and longitudes, time zones
1.2 Refer to the text for the history and evolution of cartography as listed in the reference list
1.3 Introduction to available GIS software, raster and vector data presentation
2.1. Construction and applications
3.1. Construction of Polar Zenithal Stereographic, Conical projection with two standard parallel and Mercator's Projections (manual)
3.2. Digital demonstration of projections
5.1 Map layout preparation with the provided data

Essential/recommended readings

1. Cuff J. D. and Mattson M. T. (1982). Thematic Maps: Their Design and Production. Methuen Young Books.
2. Dent B. D., Torguson J. S., and Holder T. W. (2008). Cartography: Thematic Map Design (6th Edition). Mcgraw-Hill Higher Education
3. Gupta K. K. and Tyagi V. C. (1992). Working with Maps. Survey of India, DST, New Delhi.
4. Kraak, M.J. (2010). Cartography: Visualization of Geospatial Data (3rd edition). Pearson Education Ltd., London. UK.
5. Mishra R. P. and Ramesh A. (1989). Fundamentals of Cartography. Concept Publication, New
6. Sharma J. P., 2010: Prayogic Bhugol. Rastogi Publishers, Meerut.
7. Misra, R.P. (2014). Fundamentals of Cartography (Second Revised and Enlarged Edition). Concept Publishing, New Delhi. India.
8. Monkhouse, F. J. and Wilkinson, H. R. (1973). Maps and Diagrams. Methuen.
9. Singh, R.L. and Dutta, P.K. (2012). Prayogatmak Bhugol (Hindi), Central Book Depot, Allahabad.
10. Sharma, J. P. (2010). Prayogic Bhugol (Hindi), Rastogi Publishers, Meerut.

Suggestive readings

BA (Prog.) with Geography as Major

Category-II

DISCIPLINE SPECIFIC CORE COURSE – 1 (DSC-1) –: PHYSICAL

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course (if any)
		Lecture	Tutorial	Practical/ Practice		
PHYSICAL GEOGRAPHY	**4**	**3**	**1**	**-**	**12th Pass**	**NIL**

Learning Objectives

The Learning Objectives of this course are as follows:

- To explain the concept, definition and scope of earth systems.
- To recognize the structure of the Earth and describe its characteristic features.
- To understand the atmospheric composition and structure.

Learning outcomes

The Learning Outcomes of this course are as follows:
The students will be able:

- To classify earth into various domains according to its physical features.
- To differentiate between lithosphere, hydrosphere, atmosphere and biosphere, and to understand interrelationship between them.
- To explain the atmospheric composition and structure.
- To assess the impact of anthropogenic activities on earth systems.

SYLLABUS OF DSC-1

UNIT – I (4 Hours)
Physical Geography: Definition, Nature, Scope, Earth as a System and its Components

UNIT – II (16 Hours)
Atmosphere: Composition and Structure, Energy: Insolation and Temperature, Motion in the atmosphere: pressure and circulation

UNIT – III (16 Hours)
Lithosphere: Earth's Interior, Isostasy, Earth's movement: endogenic including folding and faulting and exogenic forces

UNIT – IV (12 Hours)
Hydrosphere: Hydrological Cycle, Ocean Water Movement – Currents and Tides

UNIT – V (12 Hours)
Biosphere: Soil and Vegetation – Factors and Distribution

Practical component (if any) - NIL

Essential/recommended readings

1. Alan H. Strahler and Arthur Strahler (1992). Modern Physical Geography Fourth Edition, John Wiley & Sons, Canada.
2. Barry, R. G., and Chorley, R. J. (2009). Atmosphere, Weather and Climate (9th Edition). Routledge, New York, USA.
3. Christopherson, R. W. and Birkeland, G. H. (2012). Geosystems: An Introduction to Physical Geography (8th edition). Pearson Education, New Jersey, USA.
4. Gupta, L.S. (2000). JalvayuVigyan(Hindi). Hindi Madhyam Karyanvayan Nidishalya, Delhi.
5. Lal, D. S. (2006). JalvayuVigyan (Hindi). PrayagPustakBhavan, Allahabad, India.
6. Sharma, V.K. (2010). Introduction to Process Geomorphology. CRC Press Taylor & Francis Group.
7. Singh, S. (2009). Bhautik Bhugol ka Swaroop (Hindi). Prayag Pustak. Allahabad, India.
8. Tarbuck, E.J., Lutgens, F.K. and Tasa, D. (2012). Earth Science, Thirteenth Edition. Prentice Hall, Delhi
9. Trujillo, A.P., and Thruman, H.V. (2017). Essentials of Oceanography. PHI., New Delhi.

Suggestive readings (if any)

DISCIPLINE SPECIFIC CORE COURSE – 2 (DSC-2): HUMAN

Credit distribution, Eligibility and Prerequisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course (if any)
		Lecture	Tutorial	Practical/ Practice		
HUMAN GEOGRAPHY	4	3	1	-	12th Pass	NIL

Learning Objectives

The Learning Objectives of this course are as follows:

- To understand various dimensions of human geography and cultural landscape.
- To analyses the population growth and distribution.
- To understand the relationship between population and resource.

Learning outcomes

The Learning Outcomes of this course are as follows:

- Detailed exposure of contemporary relevance of cultural landscape.
- In-depth knowledge of space and society of cultural regions.
- Understanding the settlement pattern and population resource relationship.

SYLLABUS OF DSC- 2

UNIT – I (8 Hours)
Human Geography: Definition, Scope and Major Themes; Contemporary Relevance, Understanding Cultural Landscape.

UNIT – II (16 Hours)
Population: World Population Growth – Trends and Patterns, Population Composition (Residence, Literacy and Age).

UNIT – III (12 Hours)
Space and Society: Cultural Regions, Tribes, Religion and Language.

UNIT – IV (12 Hours)
Settlements: Types of Rural Settlements; Classification of Urban Settlements; Trends and Patterns of World Urbanization.

UNIT – V (12 Hours)
Human Development – Measurements (HDI and IHDI), Regional Variations and Sustainable Development Goals.

Practical component (if any) - NIL

Essential/recommended readings

1. Chandna, R.C. (2017). Geography of Population. Kalyani Publishers, Ludhiana, India.
2. Hassan M.I. (2020). Population Geography-A Systematic Exposition. Routledge Taylor and Francis Group, New York.
3. Human Development Reports of United Nations Development Program.
4. Hussain Majid (2021). Human Geography. Rawat Publication.
5. Majid, Hussain (2012). Manav Bhugol. Rawat Publication.
6. Maurya, S.D. (2012). Manav Bhugol. Sharda Pustak Bhawan, Allahabad, India.
7. Patra, P. et. al.(2021). Perspectives of Human Geography. Concept Publications, New Delhi.
8. Rubenstein, J.M. (2008). An Introduction to Human Geography: The Cultural Landscape. Pearson Prentice Hall, NJ.
9. Saroha, J. (2021). Jansankhya Bhugol, Janankiki evam Jansankhya Adhayan. M.K. Books, New Delhi.
10. Singh, S and Saroha, J. (2021). Human and Economic Geography. Pearson Publication.

Suggestive readings (if any)

BA (Prog.) with Geography as Minor
Category-III

DISCIPLINE SPECIFIC CORE COURSE – 1 (DSC-1) –: PHYSICAL

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course (if any)
		Lecture	Tutorial	Practical/ Practice		
PHYSICAL GEOGRAPHY	4	3	1	-	12th Pass	NIL

Learning Objectives

The Learning Objectives of this course are as follows:

- To explain the concept, definition and scope of earth systems.
- To recognize the structure of the Earth and describe its characteristic features.
- To understand the atmospheric composition and structure.

Learning outcomes

The Learning Outcomes of this course are as follows:
The students will be able:

- To classify earth into various domains according to its physical features.
- To differentiate between lithosphere, hydrosphere, atmosphere and biosphere, and to understand interrelationship between them.
- To explain the atmospheric composition and structure.
- To assess the impact of anthropogenic activities on earth systems.

SYLLABUS OF DSC-1

UNIT – I (4 Hours)
Physical Geography: Definition, Nature, Scope, Earth as a System and its Components

UNIT – II (16 Hours)
Atmosphere: Composition and Structure, Energy: Insolation and Temperature, Motion in the atmosphere: pressure and circulation

UNIT – III (16 Hours)
Lithosphere: Earth's Interior, Isostasy, Earth's movement: endogenic including folding and faulting and exogenic forces

UNIT – IV (12 Hours)
Hydrosphere: Hydrological Cycle, Ocean Water Movement – Currents and Tides

UNIT – V (12 Hours)
Biosphere: Soil and Vegetation – Factors and Distribution

Practical component (if any) - NIL

Essential/recommended readings

1. Alan H. Strahler and Arthur Strahler (1992). Modern Physical Geography Fourth Edition, John Wiley & Sons, Canada.
2. Barry, R. G., and Chorley, R. J. (2009). Atmosphere, Weather and Climate (9th Edition). Routledge, New York, USA.
3. Christopherson, R. W. and Birkeland, G. H. (2012). Geosystems: An Introduction to Physical Geography (8th edition). Pearson Education, New Jersey, USA.
4. Gupta, L.S. (2000). JalvayuVigyan(Hindi). Hindi Madhyam Karyanvayan Nidishalya, Delhi.
5. Lal, D. S. (2006). JalvayuVigyan (Hindi). PrayagPustakBhavan, Allahabad, India.
6. Sharma, V.K. (2010). Introduction to Process Geomorphology. CRC Press Taylor & Francis Group.
7. Singh, S. (2009). Bhautik Bhugol ka Swaroop (Hindi). Prayag Pustak. Allahabad, India.
8. Tarbuck, E.J., Lutgens, F.K. and Tasa, D. (2012). Earth Science, Thirteenth Edition. Prentice Hall, Delhi
9. Trujillo, A.P., and Thruman, H.V. (2017). Essentials of Oceanography. PHI., New Delhi.

Suggestive readings (if any)

COMMON POOL OF GENERIC ELECTIVE (GE) COURSES
Offered by Department of Geography
Category-IV

GENERIC ELECTIVES (GE-1): GEOGRAPHY OF INDIA

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course
		Lecture	Tutorial	Practical/ Practice		
GEOGRAPHY OF INDIA	4	4	-	-	12th Pass	NIL

Learning Objectives

The Learning Objectives of this course are as follows:

- Various dimensions of the geographical features of India and their spatial distribution.
- Detailed analysis of economic resources of India.
- Understanding of regional divisions of India.

Learning outcomes

The Learning Outcomes of this course are as follows:

- Detailed exposure to the human and physical features of India.
- In-depth knowledge of different resource base of India.
- Understanding social-cultural base of India.

SYLLABUS OF GE-1

UNIT – I (12 Hours)
Physical Setting – Location, Relief and Structure, Drainage and Climate.

UNIT – II (12 Hours)
Population – Growth, Distribution, Literacy, Sex Ratio and Migration.

UNIT – III (12 Hours)
Resource Base – Renewable Resources and Diversification of Agriculture.

UNIT – IV (12 Hours)
Economy - Information Technology and Automobile Industry, Modes of Transport.

UNIT – V (12 Hours)
Key Concerns – Unity in Diversity, Border Issues and Biodiversity Conservation

Practical component (if any) - NIL

Essential/recommended readings

1. Gopal Krishan (2017). The Vitality of India: A Regional Perspective. Rawat Publication, Jaipur. (Hindi Medium)
2. Khullar, D.R. (2020). India – A Comprehensive Geography. Kalyani Publishers, Ludhiana.
3. Majid, H. (2020). Geography of India. McGraw Hill Education (India) Private Ltd.
4. Mamoria, C. B. and Mishra, J. P. (2021). *Bharat ka Bhugol.* Sahitya Bhawan Publication, Agra.
5. Sharma, T.C. (2013). Economic Geography of India. Rawat Publication, Jaipur.
6. Singh, Gopal (2010). Geography of India. Atma Ram and Sons.
7. Singh, S. and Saroha, J. (2019). *Bharat ka Bhugol.* CL Media (P) Ltd, New Delhi.
8. Singh, S. and Saroha, J. (2019). Geography of India,.CL Media (P) Ltd, New Delhi.
9. Tiwari, R. C. (2019). Bharat ka Bhugol. Pravalika Publication, Allahabad.
10. Tiwari, R. C. (2019). Geography of India. Pravalika Publication, Allahabad.

Suggestive readings

GENERIC ELECTIVES (GE-2): SPATIAL DIMENSIONS OF DEVELOPMENT

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course
		Lecture	Tutorial	Practical/ Practice		
SPATIAL DIMENSIONS OF DEVELOPMENT	4	4	-	-	12th Pass	NIL

Learning Objectives

The Learning Objectives of this course are as follows:

- Understand the meaning and concept of Development.
- Understand the different theories of development.
- Understand global pattern of development.

Learning outcomes

The Learning Outcomes of this course are as follows:
The students will be able:

- To learn changing concept of development.
- To learn the human development index.
- To analyses the different theories of development.

SYLLABUS OF GE-2

UNIT – I (12 Hours)

Concept of Development: Definition and Meaning of Development, Changing Concept of Development (Economic Growth, Modernization, Distributive Justice), Equity-Efficiency Debate, Alternative Development Paradigms.

UNIT – II (12 Hours)
Indicators of Development: Economic, Social and Environmental.

UNIT – III (12 Hours)
Theories of Development: Myrdal, Hirschman, Rostow, Friedman, Under Development and Dependent Development.

UNIT – IV (12 Hours)
Global Patterns of Development: Economic Groupings (United Nations, World Bank, IMF) and Inter Regional Cooperation (SAARC, ASEAN, European Union).

UNIT – V (12 Hours)
Human Development: Concept, Indicators, HDI (India and World).

Practical component (if any) - NIL

Essential/recommended readings

1. Friedmann J. (1966). Regional Development Policy: A Case Study of Venezuela. Cambridge, Mass., MIT.
2. Gore C. (1984). Regions in Question: Space, Development Theory and Regional Policy. London,Methuen.
3. Hirschman A. O. (1958). The Strategy of Economic Development. New Haven, Yale University Press.
4. Murray Warwick E. (2006). Geographies of Globalization. Routledge.
5. Myrdal K. G. (1957). Economic Theory and Underdeveloped Regions. London, Duckworth.
6. Peet R. (1999).Theories of Development. Guilford Press, New York.
7. Pieterse , J.N. (2010). Development Theory. Sage , Los Angeles.
8. Potter R., Conway D., Evans R. and Evans S.L. (2012). Key Concept in Development Geography. SAGE Publications Ltd.
9. Stohr W. B. and Taylor D. R. F. (1981). Development from Above or Below? The Dialectics of Regional Planning in Developing Countries. John Wiley, Chichester.
10. Willis Katie (2011).Theories and Practices of Development. Routledge.

Suggestive readings -

GENERIC ELECTIVES (GE-3): GEOGRAPHY OF HEALTH AND WELLBEING

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course
		Lecture	Tutorial	Practical/ Practice		
GEOGRAPHY OF HEALTH AND WELLBEING	4	4	-	-	12th Pass	NIL

Learning Objectives

The Learning Objectives of this course are as follows:

- To understand various dimensions of health geography and its linkages with environment.
- To familiarize the student with the theoretical foundations and conceptual grounding of unique geography of social well-being.
- To appreciate the roles of geographic factors in socio-cultural diversity and well –being.
- To analyses in details the social wellbeing, problems and welfare programmes and policies.

Learning outcomes

The Learning Outcomes of this course are as follows:
After studying, students will be able to:

1. Get detailed exposure of health and environment.
2. Get Knowledge of the geography of social well-being and social diversity.
3. Appraise the key concepts of social geography in regional context; geographic factors underlying patterns of social well-being and inclusive development.
4. Explain the social problems and the welfare programs and policies.

SYLLABUS OF GE-3

UNIT – I (12 Hours)
Introduction to the concept of Health Geography, Medical Geography, approaches, nature and scope.

UNIT – II (12 Hours)
Wellness and Wellbeing: Concept, Social wellbeing, indicators and approaches.

UNIT – III (12 Hours)
Environment and Health Interface: Pollution; Climate change and Health.

UNIT – IV (12 Hours)
Development and Health interface: Economic activities (Agriculture, Industry, work-place) and Health.

UNIT – V (12 Hours)
Contemporary health challenges and policy implications in India: Lifestyle diseases, communicable diseases, mental health.

Practical component (if any) - NIL

Essential/recommended readings

1. Akhtar Rais (Ed.), (1990). Environment and Health Themes in Medical Geography. Ashish Publishing House, New Delhi
2. Anthony C. Gatrell, Susan J. Elliott, (2014). Geographies of Health. Wiley Pub.

3. E. Banister, (1987). Contemporary Health Issues (Health Sciences). Jones and Bartlett Publishers
4. Helen Hazen, Peter Anthamatten, (2020). An Introduction to the Geography of Health. Routledge
5. Mahajan and Gupta (fourth edition) (2013). Text book of preventive and social medicine. Jaypee Brothers Medical Publishers (P) Ltd.
6. Michael Emch, Elisabeth Dowling Root, Margaret Carrel (2017). Health and Medical Geography,
7. National health Policy-India (2017) [https://www.nhp.gov.in/nhpfiles/national_health_policy_2017.pdf]
8. Paul, L. Knox (1975). Social Well-being: A Spatial Perspective (Theory & Practice in Geography). Oxford University Press
9. Phillips, D.and Verhasselt, Y. (1994). Health and Development. Routledge, London.
10. हरीशकुमारखत्री, स्वास्थ्यभूगोल, कैलाशपुस्तकसदन, भोपाल, 9788189900731

Suggestive readings