

॥ सा विद्या या विमुक्तये ॥



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड

“ज्ञानतीर्थ” परिसर, विष्णुपुरी, नांदेड - ४३१६०६ (महाराष्ट्र)

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY NANDED

“Dnyanteerth”, Vishnupuri, Nanded - 431606 Maharashtra State (INDIA)

Established on 17th September 1994 – Recognized by the UGC U/s 2(f) and 12(B), NAAC Re-accredited with 'A' Grade

ACADEMIC (1-BOARD OF STUDIES) SECTION

Phone: (02462) 229542

Website: www.srtmun.ac.in

E-mail: bos.srtmun@gmail.com

Fax : (02462) 229574

संलग्नित महाविद्यालयांतील मानवविज्ञान विद्याशाखेतील पदवी स्तरावरील द्वितीय वर्षाचे CBCS Pattern नुसारचे अभ्यासक्रम शैक्षणिक वर्ष २०२०-२१ पासून लागू करण्याबाबत.

परिपत्रक

या परिपत्रकान्वये सर्व संबंधितांना कळविण्यात येते की, दिनांक २० जून २०२० रोजी संपन्न झालेल्या ४७व्या मा. विद्या परिषद बैठकीतील विषय क्र.१३/४७-२०२०च्या ठरावानुसार प्रस्तुत विद्यापीठाच्या संलग्नित महाविद्यालयांतील मानवविज्ञान विद्याशाखेतील पदवी स्तरावरील द्वितीय वर्षाचे खालील विषयांचे C.B.C.S. (Choice Based Credit System) Pattern नुसारचे अभ्यासक्रम शैक्षणिक वर्ष २०२०-२१ पासून लागू करण्यात येत आहेत.

- १) बी.ए./बी.एस्सी./बी.कॉम./बी.एस.डब्ल्यू./फाईन आर्टस्-द्वितीय वर्ष-इंग्रजी (अनिवार्य, अतिरिक्त (द्वितीय भाषा), फंक्शनल इंग्रजी, ऐच्छिक)
- २) बी.ए./बी.एस्सी./बी.कॉम./बी.एस.डब्ल्यू./फाईन आर्टस्-द्वितीय वर्ष-हिंदी (द्वितीय भाषा, ऐच्छिक)
- ३) बी.ए./बी.एस्सी./बी.कॉम./बी.एस.डब्ल्यू./फाईन आर्टस्-द्वितीय वर्ष-कन्नड (द्वितीय भाषा, ऐच्छिक)
- ४) बी.ए./बी.एस्सी./बी.कॉम./बी.एस.डब्ल्यू./फाईन आर्टस्-द्वितीय वर्ष-मराठी (द्वितीय भाषा, ऐच्छिक)
- ५) बी.ए./बी.एस्सी./बी.कॉम./बी.एस.डब्ल्यू./फाईन आर्टस्-द्वितीय वर्ष-पाली (द्वितीय भाषा, ऐच्छिक)
- ६) बी.ए./बी.एस्सी./बी.कॉम./बी.एस.डब्ल्यू./फाईन आर्टस्-द्वितीय-संस्कृत (द्वितीय भाषा, ऐच्छिक)
- ७) बी.ए./बी.एस्सी./बी.कॉम./बी.एस.डब्ल्यू./फाईन आर्टस्-द्वितीय वर्ष-उर्दू (द्वितीय भाषा, ऐच्छिक)
- ८) बी.ए.-द्वितीय वर्ष-अर्थशास्त्र
- ९) बी.ए.-द्वितीय वर्ष-भूगोल
- १०) बी.ए.-द्वितीय वर्ष-इतिहास
- ११) बी.ए.-द्वितीय वर्ष-सैनिकशास्त्र
- १२) बी.ए.-द्वितीय वर्ष-तत्त्वज्ञान
- १३) बी.ए.-द्वितीय वर्ष-राज्यशास्त्र
- १४) बी.ए.-द्वितीय वर्ष-मानसशास्त्र
- १५) बी.ए.-द्वितीय वर्ष-लोकप्रशासन
- १६) बी.ए.-द्वितीय वर्ष-समाजशास्त्र
- १७) बी.ए.-द्वितीय वर्ष-अॅडमिनिस्ट्रेटिव्ह सर्व्हिस

सदरील परिपत्रक व अभ्यासक्रम प्रस्तुत विद्यापीठाच्या www.srtmun.ac.in या संकेतस्थळावर उपलब्ध आहेत. तरी सदरील बाब ही सर्व संबंधितांच्या निदर्शनास आणून द्यावी.

‘ज्ञानतीर्थ’ परिसर,
विष्णुपुरी, नांदेड - ४३१ ६०६.
जा.क्र.: शैक्षणिक-१/परिपत्रक/पदवी-सीबीसीएस अभ्यासक्रम/
२०२०-२१/२४९

दिनांक : ०८.०७.२०२०.

प्रत माहिती व पुढील कार्यवाहीस्तव :

- १) मा. कुलसचिव यांचे कार्यालय, प्रस्तुत विद्यापीठ.
- २) मा. संचालक, परीक्षा व मूल्यमापन मंडळ यांचे कार्यालय, प्रस्तुत विद्यापीठ.
- ३) प्राचार्य, सर्व संबंधित संलग्नित महाविद्यालये, प्रस्तुत विद्यापीठ.
- ४) साहाय्यक कुलसचिव, पदव्युत्तर विभाग, प्रस्तुत विद्यापीठ.
- ५) उपकुलसचिव, पात्रता विभाग, प्रस्तुत विद्यापीठ.
- ६) सिस्टम एक्सपर्ट, शैक्षणिक विभाग, प्रस्तुत विद्यापीठ.

स्वाक्षरित / -

उपकुलसचिव

शैक्षणिक (१-अभ्यासमंडळ) विभाग

**SWAMI RAMANAND TEERTH MARATHWADA
UNIVERSITY, NANDED**

SYLLABUS

Faculty of Humanities

GEOGRAPHY

B.A. SECOND YEAR

**SEMESTER PATTERN
(Choice Based Credit System)**

With Effect from: June, 2020

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED

Choice Based Credit System (CBCS) Course Structure

Faculty of Humanities

Subject-Geography

B. A. Second Year (New Pattern)

With effect from: June, 2020

Semester	Core Course	Paper No.	Name of the Paper	Lectures/ Week	Total No. of Lect. Per Sem.	CA	ESE	Total Marks	Credits
III	CCGEOG- VII	VII	Climatology	04	60	10	40	50	02
	CCGEOG- VIII	VIII	Economic Geography Or Political Geography	04	60	10	40	50	02
	CCGEOG- IX	IX	Practical Geography	03 (Per Batch)	60	10	40	50	02
	SEC	I	Tourism Geography	03	45	25	25	50	02
Semester - III Total				14	225	55	145	200	08
IV	CCGEOG- X	X	Oceanography	04	60	10	40	50	02
	CCGEOG- XI	XI	Settlement Geography Or Geography of Regional Planning	04	60	10	40	50	02
	CCGEOG- XII	XII	Practical Geography	03 (Per Batch)	60	10	40	50	02
	SEC	II	Soil Geography	03	45	25	25	50	02
Semester - IV Total				14	225	55	145	200	08

(CC= Core Course, CA= Continuous Assessment (Internal), ESE= End Semester Examination, SEC=Skill Enhancement Course).

Instructions

1. Teaching work load shall be four periods per week for each theory paper and three periods per batch per week for practical.
2. Strength of students for each practical batch shall not be more than 20 (twenty).
3. Students shall not be allowed for Practical Examination without certified journal.
4. Total periods for each theory paper shall be 60 per semester.
5. Total periods for practical paper shall be 60 per semester.
6. Practical examination will be held at the end of the academic year (summer).
7. CA (Continuous Assessment) Pattern for each theory paper - one test and one home assignment of 5 marks each.
8. CA (Continuous Assessment) Pattern for each practical paper - one test and one home assignment of 5 marks each.
9. CA (Continuous Assessment) Pattern for SEC – one test and one home assignment of 10 marks each and one seminar of 05 marks

Question Paper Model and Scheme of Marking

BASY Geography

End Semester Examination (ESE)

Theory

Semester (III & IV) Paper (VII VIII & X XI)

(w. e. f. June 2020)

Marks: 40

Q.1	Descriptive Question Or Descriptive Question	15Marks
Q.2	Descriptive Question Or Descriptive Question	15Marks
Q.3	Write short note on any two of the following i. Short note ii. Short note iii. Short note iv. Short note	10Marks

Question Paper Model and Scheme of Marking

BASY Geography

End Semester Examination (ESE)

Skill Enhancement Course (SEC)

(Sem. III&IV) Paper SEC (I&II)

(w. e. f. June 2020)

Marks: 25

Q.1	Skill Work Report (Project)	10 Marks
Q.2	Overall Skill Judgment (Written Exam)	10Marks
Q.3	Skill Work Presentation (Viva-Voce)	05 Marks

Question Paper Model and Scheme of Marking

BASY Geography

End Semester Examination (ESE)

Practical

Semester (III) Paper (XI)

(w. e. f. June 2020)

Marks: 40

Q.1	a) Wind Rose	5Marks
	b) Climatograph/Hythergraph	5Marks
Q.2	a) Minimum Maximum Thermometer	5Marks
	b) Raingauge/Cup Anemometer	5Marks
Q.3	a) Weather Signs and Symbols/Station Model	5Marks
	b) Interpretation of Daily Weathers Map	5Marks
Q.4	Journal and Viva Voce	10Marks

Question Paper Model and Scheme of Marking

BASY Geography

End Semester Examination (ESE)

Practical

Semester (IV) Paper (XII)

(w. e. f. June 2020)

Marks: 40

Q.1	a) Divided Circle Diagram	5Marks
	b) Square Diagram	5Marks
Q.2	a) Cube Diagram	5Marks
	b) Circle Diagram	5Marks
Q.3	a) Dot Maps/ Flow-line Maps	5Marks
	b) Density of Settlements/ Rank Size Rule	5Marks
Q.4	Journal and Viva Voce	10Marks

B. A. Second Year
Subject: Geography
Semester- III
Paper-CCGEOG- VII
Climatology

Marks: 50

Credits: 02

Periods: 60

Salient features:

1. The aim of the course is to introduce the student with Climate and its various components and also to study their dynamics.

Utility

1. To help students to know the climate since the Formation of the earth and changes those have occurred over a period of time and to predict climate change

Learning Objectives

1. To provided in depth knowledge about climatology.
2. To prepare student for various competitive examination.

Prerequisites

1. Book, Map, Globe, Models
 2. ICT
-

Unit-1: Climatology its field Weather and Climate **12 Periods**

- A) Definition, nature and scope of climatology
- B) Elements of weather and Climate

Unit-2: Atmosphere, Insolation and Temperature **12 Periods**

- A) Atmosphere: Composition and Structure
- B) Insolation and Horizontal and Vertical distribution of temperature

Unit-3: Atmospheric Pressure and Winds **12 Periods**

- A) Atmospheric pressure: vertical and horizontal distribution of pressure
- B) Types of Winds: Planetary, Periodic and Local winds.

Unit-4: Atmospheric Moisture and Cyclones **12 Periods**

- A) Atmospheric Moisture - humidity and its types, Evaporation, condensation, and forms of precipitation.
- B) Tropical Cyclone.

Unit-5: Climate Classification and Applied climatology **12 Periods**

- A) Thornthwaite's classification of climate of the world.
- B) Applied Climatology: Urban climate, climate and Health,

Suggested Readings:

1. Trewartha, G. T.: An Introduction to Climate, McGraw Hill, New York.
2. Critchfield, H. : General Climatology, Prentice-Hall, New York.
3. Barry, R. G. and Chorley, R. J.: Atmosphere, Weather and Climate, Routledge.
4. Lal, D. S. : Climatology, Sharda Pustak Bhawan, Allahabad.
5. Miller, A.A.: Climatology, Dutton.
6. Kendrew, W. G. : Climatology, Oxford, Stringer, E. T.: Foundations of climatology, Surjeet Publications, Delhi.
7. Shapley, H.: Climate Change- Evidence, Causes and Effects, Harvard University Press.
8. Monkhouse, F. J. : Principles of Physical Geography, Hodder and Stoughton, London.
9. Strahler, A. N. and Strahler, A. H.- Modern Physical Geography, John Wiley and Sons, London.
10. Singh, Savinder - Physical Geography, Prayag Pustak Bhawan, Allahabad.
11. डॉ. शेते, एस. टी.: हवामानशास्त्र व सागरविज्ञान, अभिजीत पब्लिकेशन, लातूर
12. कोलते, के. टी., पुराणिक, एम. जी., कुबडे, सुमती - हवामानशास्त्र व सागरविज्ञान, विद्या प्रकाशन नागपूर.
13. धारपुरे, विठ्ठल : हवामानशास्त्र व सागरशास्त्र, पिंपळापूरे प्रकाशन, नागपूर.
14. प्रा. डॉ. हरिदास राठोड, डॉ. एन.के. वाघमारे, डॉ. जे.के. वाघमारे - हवामानशास्त्र डायमंड-प्रकाशन पुणे.

B. A. Second Year
Subject: Geography
Semester: III
Paper: CCGEOG-VIII
Economic Geography

Marks: 50

Credits: 02

Periods: 60

Salient Features

1. The aim of this course is to introduce the students with basic concepts of Economic Geography. To know the various branches of Economic Geography.

Utility

1. To help students to know the agriculture, farming, production of crops, various resources, industries, transportation and trade which govern economic development.

Learning Objectives

1. To know branches and significance of Economic Geography.
2. To study agriculture, minerals, power resources, industries, transport routes and trade.

Prerequisites

1. Books, Maps, Globe, G.I.S. Models
 2. I.C.T.
-

Unit 1: Introduction

12 Periods

- A) Definition, nature, scope and significance of Economic Geography.
- B) Branches of Economic Geography.

Unit 2: Agriculture

12 Periods

- A) Types of agriculture and factors affecting on them.
 - i. Intensive farming,
 - ii. Extensive farming
- B) Distribution and Production of Major Crops in the World
 - i. Wheat
 - ii. Cotton

Unit 3: Importance of Minerals and Power Resources

12 Periods

- A) Mineral Resources
 - i. Iron
 - ii. Manganese
- B) Power Resources
 - i. Coal
 - ii. Petroleum

Unit 4: Industries

12 Periods

- A) Factors affecting on location of industries.
- B) Weber's Theory of Industrial Location.
- C) Major industries in the world-
 - i. Iron and steel industry
 - ii. Cotton textile industry.

Unit 5: Transport and Trade

12 Periods

- A) Major Transport Routes –Land, Water and Air Routes.
- B) Trade-National and International.

Suggested Readings:

1. Jones, C.F. and Darkenwald, G.G. : Economic Geography, Surjeet Publications, New Delhi.
2. Truman, A., Hartshorne, Richard : Economic Geography, PHL Learning Pvt. Ltd. New Delhi.
3. Chouhan, R.N. : Principles of Economic Geography, ABD Publications, Jaipur.
4. Kaur, Raninder : Economic Geography, Subline Publication, Jaipur.
5. Berry J.L. Geography of Market Centres and Retail Distribution
6. Chatterjee, S.P. Economic Geography of Asia
Chorley, R.J. and Haggett, P.
7. Network Analysis in Geography
8. Dreze, J. and Sen, A.: India-Economic Development and Social Opportunity.
9. Hamilton, F.E.I: Spatial Perspectives on Industrial Organization and Decision Making
10. Hamilton, I.: Resources and Industry
11. Hurst, E.:Transport Geography-Comments and Readings
12. Morgan, W.B. and Munton R.J.C.: Agricultural Geography
13. Pachuri, R.K. :Energy and Economic Development in India
14. Robertson, D. :Globalization and Environment
15. Rostow, W.W.:The Stages of Economic Growth
16. Singh J. and Dhillon S.S.:Agricultural Geography
17. Symons L.: Agricultural Geography
18. Wheeler, J.O: Economic Geography

B. A. Second Year
Subject: Geography
Semester – III
Paper- CCGEOG-VIII (OR)
Political Geography

Marks: 50

Credits: 02

Periods: 60

Salient Features

1. The aim of this course is to introduce the students with fundamentals of Political Geography.

Utility

1. To understand the geopolitics, its significance, and international relations.

Learning Objectives

1. To provide in depth knowledge about political geography
2. To prepare students for various competitive examinations

Pre-requisites

1. Books, Maps, Globe, Models
 2. ICT
-

Unit-1: Introduction

12 Periods

- A. Definition, Nature and Scope of Political Geography
- B. Approaches to the Study of Political Geography

Unit-2: Geographic Elements of State

12 Periods

- A. Physical Elements and the State
- B. Economic Elements and the State

Unit-3: Themes in Political Geography

12 Periods

- A. State, Nation and Nation-State (Meaning, Emerging Factors and Difference)
- B. Frontiers and Boundaries (Meaning, Classification and Difference)

Unit-4: Global strategic Views

12 Periods

- A. Concept of Geopolitics
- B. The Views of Mackinder's Heartland Theory and Spykman's Rimland Theory

Unit-5: Political Geography of Contemporary India

12 Periods

- A. Political Geography of Contemporary India with Special Reference to Changing Political Map of India.
- B. Interstate Issues (Like Water Disputes and Riparian Claims) and Conflict Resolutions, Emergence of New State.

Suggested Readings:

- 1) Alexander, L.M. : World Political Patterns
- 2) De Blij, H.J. and Glassner, Matrin : Systematic Political Geography
- 3) Dikshit, R.D. : Political Geography
- 4) Sukhwal, B.L. : Modern Political Geography of India.
- 5) Taylor, B.L. : Political Geography
- 6) Pounds N.J.G. : Political Geography
- 7) John, R. Short : An Introduction of Political Geography
- 8) Moddie, A.E. : Geography Behind Politics
- 9) Prescott, J.R.V. : The Geography of Frontiers and Boundaries
- 10) Deshpande C.D. : India – A Regional Interpretation
- 11) Panikkar K.M. : Geographical Factors in Indian History
- 12) Gulave : Rajakiy Bhugol
- 13) Bhagvat A. V. : Rajakiy Bhugol
- 14) Gharpure V. : Rajakiy Bhugol

B. A. Second Year
Subject: Geography
Semester – III
Paper- IX
Practical Geography

Marks: 50

Credits: 02

Periods: 60

Salient Features

1. The aim of this course is to introduce the students with different types of climatic data, presentation and their interpretation.

Utility

1. To develop skills among the students to analyze climatic variations through the study of Weather Instrument and Indian Daily Weather Reports.

Learning Objectives

1. To develop the skill of presenting meteorological statistics with the help of graphs and figures.
2. To inculcate in the students the skills of reading the Indian daily weather maps.

Pre-requisites

1. Books, Maps, Globe, Models
 2. ICT
-

Unit-1: Climatic Graphs and Diagrams

15 Periods

- A) Wind Rose
- B) Climatograph
- C) Hythergraph

Unit-2: Weather Instruments (Mechanism, Function and Use)

15 Periods

- A) Minimum and maximum thermometer
- B) Raingauge
- C) Cup Anemometer

Unit-3: Weather Signs, Symbols and Shapes of Isobars

15 Periods

- A) Weather Signs and Symbols
- B) Shapes of Isobars on Weather Maps

Unit-4: Study of Indian Daily Weather Report

15 Periods

- A) Interpretation of Indian Daily Weather Maps one each from Winter, Summer and Rainy season
- B) Weather Station Model

Suggested Readings:

- 1) Kha, Z.A. : Text Book of Practical Geography Concept, New Delhi, 1998
- 2) Lawrence, G.R.P. : Cartography Methods, Methuen London, 1968
- 3) Mishra, R.P. & Ramesh A. : Fundamentals of Cartography, McMillan Co. New Delhi 1986.
- 4) Monkhouse, F.J. & Wilkinson, H.R. : Maps and Diagrams, London, 1994.
- 5) Sarkar, A.K. : Practical Geography A Systematic Approach Orient Longman, Calcutta, 1997
- 6) Singh, R.L. : Elements of Practical Geography, Kalyani Publication, New Delhi.
- 7) Gopal Singh: Map Work and Practical Geography
- 8) Mishra R. P. , A. Ramesh: Fundamental of Cartography
- 9) Raj Singh, Raghunandan Singh: Map Work and Practical Geography
- 10) R. L. Singh, P. K. Dutt: Elements of Practical Geography
- 11) Robinsons A. R. : Elements of Cartography
- 12) Erwin Raiz: General Cartography
- 13) जे. पी. शर्मा: प्रायोगिक भूगोल
- 14) अहिरराव डी. वाय. व करंजखेले इ. के.: प्रात्यक्षिक भूगोल अर्जुन कुंभार: प्रायोगिक भूगोल
- 15) डॉ. नाकतोडे; नकाशाशास्त्र व प्रात्यक्षिक भूगोलशास्त्र
- 16) डॉ. के. बी. कनकुरे, डॉ. एम. पी. मानकरी व डॉ. आर. एम. मुगावे: प्रात्यक्षिक भूगोल
- 17) हीरालाल यादव: प्रायोगिक भूगोल
- 18) जयकुमार मगर: प्रात्यक्षिक भूगोल
- 19) डॉ. शिंदे एस. बी.: नकाशाशास्त्र

B. A. Second Year
Subject: Geography
Semester – III
Paper-SEC-1
Tourism Geography

Marks: 50

Credits: 02

Periods: 45

Salient Features

1. The aim of this course is to introduce the students with various aspects of tourism and tourists.

Utility

1. To help students to learn the skills of arrangement and organization of tours.

Learning Objectives

1. To have the basic knowledge of tourism and its significance.
2. To study the behavioural aspects of tourists in tourist places.

Prerequisites

1. Books, Maps, Globe.
2. Field visit, ICT

Unit-1: Introduction

- A) Definition, nature, scope and significance of tourism geography **15 Periods**
- B) Types of tourists and tourism.
- C) Environment Laws.

Unit-2: Communication skills in tourism

- A) Communication skills (Oral and written). **15 Periods**
- B) Techniques of advertisement.

Unit-3: Logistics and visit to tourist places

- A) Destination and transportation booking skills through internet. **15 Periods**
- B) Behavioural study of host and guest of tourist centers.

Suggested Readings:

- 1) Bhatia, A.K. (1983) : Tourism Development, Sterling Publishers Pvt. Ltd., Benglor.
- 2) Gharpure Vitthal (2001): Geography of Tourism, Pimpalpure and Co. Publication, Nagpur.
- 3) Khatib K. A.: Geography of Tourism, Mehta Publications, Kolhapur.
- 4) Bhatiya, A.K. (1991) : ‘International Tourism-Fundamental and Practices’, New Delhi.
- 5) Hunter C and Green H (1995) : ‘Tourism and the Environmental : A sustainable relationship’, Rutledge London.
- 6) Lea J. (1988) : ‘Tourism and Development in the third world’, Rutledge London.
- 7) Williams, Stephen (1998) : ‘Tourism Geography’, Rutledge Contemporary Human Geography, London.
- 8) Sharma Vinod (2015): Prachi Atlas of India & World, Prachi Pub. New Delhi.
- 9) Mangnale, S.K and Manakari, M.P., (2019) Paryatan Bhugol, Aruna Prakashan, Latur

B. A. Second Year
Subject: Geography
Semester – IV
Paper- CCGEOG-X
Oceanography
Credits: 02

Marks: 50

Periods: 60

Salient Features

1. The aim of this course is to introduce the students with oceanography and significance of its study and to know properties and dynamics of oceanic water.

Utility

1. To help students to know the history and significance of Oceanography

Learning Objectives

1. To have the knowledge of physical and chemical properties of oceans.
2. To know the types of oceanic currents and their distribution.

Prerequisites

1. Books, Maps, Globe, Models.
2. ICT

Unit-1: Oceanography and Its Field

12 Periods

- A) Definition, nature and scope of Oceanography
- B) Significance of study of Oceanography

Unit-2: Surface Configuration of Ocean Floor and Resources

12 Periods

- A) Surface configuration of ocean floor:
Continental shelf, Continental slope, Abyssal plain and Trenches.
- B) Ocean Resources: Biotic, Mineral and Energy Resources

Unit-3: Ocean Temperature

12 Periods

- A) Oceanic Temperature: Factors affecting on ocean temperature
- B) Distribution of oceanic temperature

Unit-4: Salinity of Ocean

12 Periods

- A) Salinity of Ocean: Factors affecting on ocean salinity
- B) Horizontal distribution of ocean salinity

Unit-5: Circulation of Oceanic Waters:

12 Periods

- A) Circulation of oceanic waters-waves, tides and currents.
- B) Currents of Atlantic, Pacific and Indian Oceans.

Suggested Readings:

- 1) Anikouchine, W. A. and Sternberg, : The World Oceans- An Introduction to Oceanography, Englewood Cliffs, N. J.
- 2) Grald, S. : General Oceanography- An Introduction, John Wiley & Sons, New York.
- 3) Garrison, T. Oceanography, Wadsworth. USA.
- 4) King, C.A.M. : Beaches and Coasts, E. Arnold, London.
- 5) King, C.A. M. : Oceanography for Geographers E. Arnold, London.
- 6) Sharma, R. C. Vatel M.: Oceanography for Geographers. Chetnya Publishing House Allahabad.
- 7) Shepard, F.P. : Submarine Geology, Harper & Sons, New York.
- 8) Thurman, H. B. : Introductory Oceanography, Charles Webber E. Merrill publishing Co.
- 9) Weisberg. J. and Howard : Introductory Oceanography, McGraw- Hill Book , New York.
- 10) Manakari, M.P. and Mangnale, S.K. Oceanography, Aruna Prakashan, Latur

B. A. Second Year
Subject: Geography
Semester – IV
Paper- CCGEOG-XI
Settlement Geography

Marks: 50

Credits: 02

Periods: 60

Salient Features

1. The aim of this course is to introduce the students with fundamentals of Settlement Geography

Utility

1. To understand the process of evolution of rural and urban centre in the world and in India

Learning Objectives

1. To provide in depth knowledge about settlement geography
2. To prepare students for various competitive examinations

Pre-requisites

1. Books, Maps, Globe, Models
 2. ICT,
-

Unit-1: Introduction

12 Periods

- A) Definition, Nature and Scope of Settlement Geography
- B) Origin and Evolution of Settlements

Unit-2: Rural Settlements

12 Periods

- A. Factors Affecting on Distribution of Rural Settlements
- B. Types, Patterns and Functions of Rural Settlements

Unit-3: Concepts and Functions Urban Areas

12 Periods

- A. Concepts: i. Rural -Urban Fringe ii. Hinterland iii. Rank Size Rule
- B. Functional Classification of Urban Areas

Unit-4: Landuse Models

12 Periods

- A. Central Place Theory of Christaller
- B. Concentric Zone Model of E.W. Burges

Unit-5: Urbanization in India

12 Periods

- A. Process, Trends of Urbanization in India
- B. Urban Problems and Planning in India

Suggested Readings:

- 1) Alam, S.M. : Hyderabad, Secunderabad Twin Cities
- 2) Berry B.J.L. and Horton F.F. : Geographic Perspectives on Urban Systems
- 3) Carter H. : The Study of Urban Geography
- 4) Chorley, R.J.O. Haggett P. : Models of Geography
- 5) Dickinson, R.E. : City and Region
- 6) Dwyer, D.J. : The City as a Center of Change in Asia
- 7) Gibbs, G.P. : Urban Research Methods
- 8) Hall, P. : Urban Development and Urban Geography
- 9) Kundu, A. : Urban Development and Urban Geography
- 10) Mumford, L. : Culture of Cities
- 11) Smailes A.E. : The Geography of Towns
- 12) Meyor and Kohn : Reading in Urban Geography
- 13) Daniel. P, and Hopkinson. M,: The Geography of Settlement
- 14) Ramchandran.R,: Urbanization and Urban Systems in India
- 15) Gharpure V. : Vasti Bhugol, Pimplapure Prakashan, Nagpur

B. A. SECOND YEAR
Subject: Geography
Semester – IV
Paper-CCGEOG-XI (OR)
Geography of Regional Planning

Marks:50

Credit:02

Periods:60

Salient Features

1. The aim of this course is to introduce the students with basics of regional planning and significance of its study.

Utility

1. To help students to know the dynamics of region and its impact on planning

Learning Objectives

1. To understand and evaluate the concept of region in geography and its role and relevance in regional planning.
2. To identify the issues relating to the development of region and regional disparities.

Prerequisites

1. Books, Maps, Globe, Models.
2. ICT

Unit-1: Introduction

12 Periods

- A. Concept of Region and types of region in the context of planning
- B. Meaning and objectives of regional planning.

Unit-2: Types of Planning

12 Periods

- A. Short term planning and long term planning.
- B. Physical and economic planning.

Unit-3: Development and Disparity

12 Periods

- A. Concept of Growth and Development, Indicators of development,
- B. Regional imbalances in India – Agricultural and Rural-Urban.

Unit-4: Theoretical frame work for regional planning

12 Periods

- A. Growth pole.
- B. Growth foci approach.

Unit-5: Regional planning in India

12 Periods

- A. Rural development planning.
- B. Tribal area development planning.

Suggested Reading:

1. Abler, R., et. al: Spatial Organization : The geographer's view of the world, prentice Hall, Englewood Cliffs, N.J. 1971
2. Bhat, L.S: Regional Planning in India, Statistical Publishing Society, Caluctta, 1973
3. Bhat, L.S. et al: Micro – Level Planning, A Case study of Karnal Area, Haryana, K.B. Publications New Delhi, 1976
4. Chorley, R.J. and Hagget, P.: Models in Geography, Methuen, London, 1967
5. Christaller, w.: Central Places in Southern Germany, Translated by C.W. Baskin. Prentice Hall. Englewood Cliffs, New Jersey, 1966
6. Friedmann, J and Alonso, w.: Regional Development Policy-A case study of Venezuela. M.I.T.Press Cambridge,1967
7. Friedmann,. J. and Alonso, W.: Regional Development and planning – A Reader, M.I.T. Press, Cambridge, 1967.
8. Glikson, Arthur : Regional Planning and Development, Netherlands Universities foundation for international Cooperation, London, 1955.
9. Gosal, G.S. and Krishan, G: Regional Disparities in Levels of Socio – Economic Development in Punjab, Vishal publications, kurukshetra, 1984.
10. Government of India, planning Commission : Third Five year Plan, Chapter on regional Imbalances in Development, New Delhi, 1961.
11. Indian Council of social science Research : Survey of research in Geography, Popular prakashan, Bombay, 1972.
12. Johnson, E.A.J. The organization of Space in developing Countries, Harvard University press, Cambridge, 1970.
13. Kuklinski, A.R.(ed) Growth poles and Growth Centers in Regional planning, Mouton, The Hague, 1972.
14. Kundu, A and Raza, Moonis: Indian Economy- The Regional Dimension, Spectrum Publishers, New Delhi, 1982.

B. A. Second Year
Subject: Geography
Semester – IV
Paper- XII
Practical Geography

Marks: 50

Credits: 02

Periods: 60

Salient Features

1. The aim of this course is to introduce the students with knowledge of representation of geographical data.

Utility

1. To develop among the students the skills of learning through playing with geographical data

Learning Object

1. To develop the technique of representation and analyses of data.

Pre-requisites

1. Books, Maps, Globe, Models
 2. ICT
-

Unit-1: Two Dimensional Diagrams

12 Periods

- A) Divided Circle Diagram
- B) Square Diagram

Unit-2: Three Dimensional Diagrams

12 Periods

- A) Cube Diagram
- B) Circle Diagram

Unit-3: Distributional Maps

18 Periods

- A) Dot Maps
- B) Choropleth Maps
- C) Flow-line Maps

Unit-4: Quantitative Methods in Settlement Studies

18 Periods

- A) Density of Settlement
- B) Concentration Index of rural settlements (Debouverie's method)
- C) Primate City and Rank Size Rule

Suggested Readings:

- 1) Kha, Z.A. : Text Book of Practical Geography Concept, New Delhi, 1998
- 2) Lawrence, G.R.P. : Cartography Methods, Methuen London, 1968
- 3) Mishra, R.P. & Ramesh A. : Fundamentals of Cartography, McMillan Co. New Delhi 1986.
- 4) Monkhouse, F.J. & Wilkinson, H.R. : Maps and Diagrams, London, 1994.
- 5) Sarkar, A.K. : Practical Geography A Systematic Approach Orient Longman, Calcutta, 1997
- 6) Singh, R.L. : Elements of Practical Geography, Kalyani Publication, New Delhi.
- 7) Gopal Singh: Map Work and Practical Geography
- 8) Mishra R. P. , A. Ramesh: Fundamental of Cartography
- 9) Raj Singh, Raghunandan Singh: Map Work and Practical Geography
- 10) R. L. Singh, P. K. Dutt: Elements of Practical Geography
- 11) Robinsons A. R. : Elements of Cartography
- 12) Erwin Raiz: General Cartography
- 13) जे. पी. शर्मा: प्रायोगिक भूगोल
- 14) अहिरराव डी. वाय. व करंजखेले इ. के.: प्रात्यक्षिक भूगोल अर्जुन कुंभार: प्रायोगिक भूगोल
- 15) डॉ. नाकतोडे; नकाशाशास्त्र व प्रात्यक्षिक भूगोलशास्त्र
- 16) डॉ. के. बी. कनकुरे, डॉ. एम. पी. मानकरी व डॉ. आर. एम. मुगावे: प्रात्यक्षिक भूगोल
- 17) हीरालाल यादव: प्रायोगिक भूगोल
- 18) जयकुमार मगर: प्रात्यक्षिक भूगोल
- 19) डॉ. शिंदे एस. बी.: नकाशाशास्त्र

B. A. Second Year
Subject: Geography
Semester – IV
Paper-SEC-2
Soil Geography
Credits: 02

Marks: 50

Periods: 45

Salient Features

1. The aim of this course is to introduce the students with various aspects of soil like formation, types, properties, soil testing, conservation etc.

Utility

1. To help students to learn the skills of soil testing and understand fertility

Learning Objectives

1. To have the knowledge of physical and chemical properties of soil.
2. To know the types of soils, their formation, and fertility levels.

Prerequisites

1. Books, Maps, Globe, Models.
2. Field visit, ICT

Unit-1: Introduction

15 Periods

- A) Definition, scope and composition of soil.
- B) Soil as a component of geography.
- C) Factors (biotic and abiotic) affecting on soil formation and types of soils.

Unit-2: Soil Testing and Biogeochemical Cycles

15 Periods

- A) Procedure and importance of soil testing
- B) Biogeochemical cycles (any three)
 - i. Carbon Cycle
 - ii. Nitrogen Cycle
 - iii. Phosphorous Cycle
 - iv. Sulphur Cycle
 - v. Potassium Cycle

Unit-3: Soil Pollution and Conservation

15 Periods

- A) Causes of soil pollution and degradation
- B) Methods and importance of soil conservation

Suggested Readings:

- 1) Backman, H.O and Brady, N.C.: The nature and properties of soil, Mc Millan New York,1960.
- 2) Bennet, Hugh H.: The Geography of soils, McGraw Hill,New York.
- 3) Clark G.R.: Study of the soil in the field, Oxford University Press,Oxford,1957
- 4) Govinda Rajan,S.V. and Gopala Rao,H.G.: Studies on soil of India, Vikas Publication New Delhi,1978
- 5) Partiram, Brajendra N.S., Azad Thakur & T. Ramesh: Soil Testing and Analysis (Plant, Water& Pesticide Residues), Published by new India Publishing Agency, New Delhi.
- 6) F.J.Stevenson & M Acole(2015): Cycle of Soil, Published by Wiley India, Delhi.
- 7) Rajendra Prasad, James F. Power (2014): Soil fertility management for sustainable Agriculture, Special India Edition.
- 8) U. Thapa & P. Tripathy(2010): Organic farming in India(Problems & Prospects), Agrotech Publication Academy Udaipur.

* * * * *