

**RASHTRASANT TUKDOJI MAHARAJ
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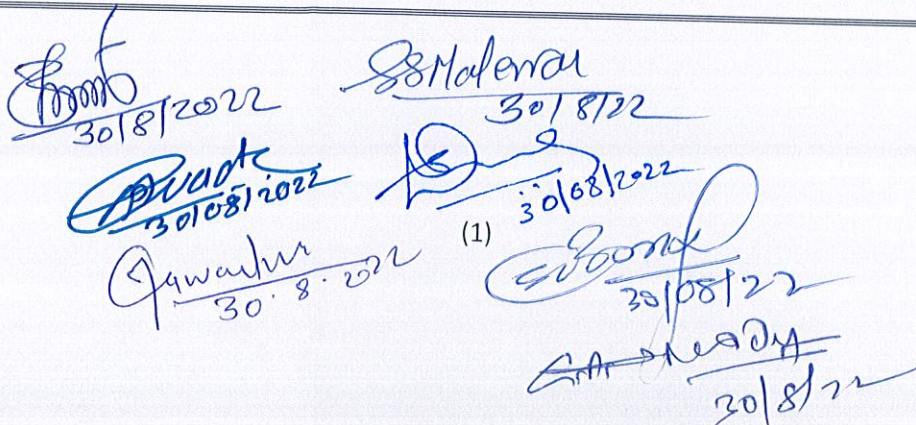
SYLLABUS

GEOGRAPHY

B.A. FIRST YEAR

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

With Effect From: June, 2022


A collection of handwritten signatures and dates in blue ink, located below the main text. The signatures are written over the printed dates. The dates are: 30/8/2022, 30/8/22, 30/8/2022, 30.8.2022, 30/8/2022, 30/8/22, and 30/8/22. There is also a small '(1)' written next to one of the signatures.

B. A. First Year
Subject: Geography
Semester – I
Paper- CCGEOG-I
An Introduction to Physical Geography

Marks: 50

Credits: 02

Periods: 60

Salient Features

1. The aim of this course is to introduce the students with basic concepts of physical geography. To know the development of various branches physical geography.

Utility

1. To help students to know the formation and nature of solar system, oceans, continents and landforms

Learning Objectives

1. To know the formation of continents and Oceans
2. To study the rotation and revolution of the earth and its impact

Pre-requisites

1. Books, Maps, Globe, Models
 2. ICT
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Unit: 1 Introduction

- A. Definition, Nature and Scope of Physical Geography
- B. Branches of Physical Geography
- C. Importance of Study of Physical Geography

Unit: 2 Solar System

- A. Solar System and its Origin
 - i. Solar System
 - ii. Nebular Theory of Laplace
 - iii. Tidal Hypothesis of Jeans and Jeffery

Unit: 3 Formation of Oceans and Continents

- A. Continental Drift Theory
- B. Plate Tectonic Theory

Unit: 4 Landforms and Rotation and Revolution of the Earth

- A. First Order – Ocean and Continents
- B. Second Order – Mountain, Plateau, Plain and Their Types
- C. Rotation and Revolution of the Earth
 - i. Rotation- Formation of Day and Night
 - ii. Revolution- Formation of Seasons
 - iii. Solar Eclipse and Lunar Eclipse

REFERENCES

- 1) Clyton. K. (1986) 'Earth Crust' Adus Brooks London.
- 2) Davis W.M. (1909) - 'Geographical Essay' Ginnia Co.NewYork
- 3) Garland G.D. (1966) - 'Continental Drift' Uni. of Toronto press- Canada.
- 4) Goh Cheng leong (2018) Certificate Physical and Human Geography, Oxford University Press, New Delhi
- 5) Majid Hussain (2001) - 'Principals of Physical Geography' Rawat Publication, Jaipur.
- 6) Monkhouse (1951) - 'Principle of Physical Geography' Mc Graw Hill Pub-New York.
- 7) Savinder Singh (1998) - 'Physical Geography' Prayag Pub. Allahabad.
- 8) Steers J.A. (1958) - 'Earth Crust' Adus Brooks London
- 9) Strahler A.N. (1968) - 'Physical Geography' Easten P. Ltd. New Delhi
- 10) Tikka R. N. (1998)- 'Physical Geography' Keedar Nath Ram Nath &Co. Meerut
- 11) Wegner A. (1924) -'The Origin of Continents and Oceans' Mathhen & Co. Ltd. London.
12. तावडे मोहन द. 'प्राकृतिक भूगोल' , कॉन्टीनेंटल प्रकाशन , पुणे -30
13. मगर जयकुमार , 'भूरुपशास्त्राची मुलतत्वे' , अॅकडमिक एंटरप्राईजेस , औरंगाबाद
14. दाते सु. प्र. आणि दाते संजिवनी, प्राकृतिक भूगोल, विद्या प्रकाशन , नागपूर
16. डॉ. शेते शंकरराव , डॉ. फुले सुरेश व डॉ. शहापूरकर ओमप्रकाश ' प्राकृतिक भूगोल' , अभीजित पब्लिकेशन , लातूर
- 17 सिंग सविंद्र ' भौतिक भूगोल का स्वरुप' प्रवालिका पब्लीकेशन, इलाहाबाद
- 18 हुसैन माजिद 'भौतिक भूगोल' रावत पब्लीकेशन, जयपूर
- 19 गौतम अल्का ' भौतिक भूगोल' रस्तोगी पब्लीकेशन, मेरठ

B. A. First Year
Subject: Geography
Semester – I
Paper- CCGEOG - II
Practical Geography

Marks: 50

Credits: 02

Periods: 30

Salient Features

1. The aim of this course is to introduce the students with types of maps, scales, relief and landforms

Utility

1. To develop skills among the students to decipher the landforms using contours and to convert the scales

Learning Objectives

1. To develop abilities among the students to interpret the toposheets, calculate time using longitudes
2. To learn the techniques of showing the relief and landforms

Pre-requisites

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

Unit: 1 Introduction to Map

- A. Map: Meaning and Definition
- B. Type of Maps
- C. Uses of Map
- D. Elements of Map

Unit : II Scale

- A. Meaning and Definition
- B. Type of Scale
- C. Representation of Scale

- i. Verbal/ Statement
- ii. Numerical/ RF
- iii. Linear/ Graphical

Unit III: Conversion and Construction of Scale

- iv. Verbal to Numerical and Numerical to Verbal

- D. Construction of Scale

- v. Simple Scale
- vi. Time and Distance Scale
- vii. Diagonal Scale

Unit: 4Coordinates and Graticules

- i. Latitudes and Longitudes
- ii. Local Time, Standard Time and Time Zones
- iii. International Date Line

Reference Books:

1. Khan, S.A. : Text Book of Practical Geography.
2. Mishra, R.P. & Ramesh, A. : Fundamentals of Cartography.
3. Monkhouse, F.J. & Wilkinson, H.R. : Maps and Diagrams.
4. Singh R.L. : Elements of Practical Geography.
5. शर्मा जे.पी. : 'प्रयोगात्मक भूगोल' रस्तोगी प्रकाशन मेरठ
6. कुंभार डॉ. अर्जुन , 'प्रात्यक्षिक भूगोल'
7. अहिरराव डॉ. डी.वाय. व प्रा. करंजखेले प्रात्यक्षिक भूगोल
8. नागतोडे , लांजेवार 'नकाशाशास्त्र व प्रात्याक्षिक भूगोल , पिंपळापूरे प्रकाशन , नागपूर
9. शिंदे डॉ. एस. बी. , 'नकाशाशास्त्र' फडके प्रकाशन, कोल्हापूर
10. कनकुरे डॉ. के.बी. , डॉ. मानकरी एम.पी. , 'प्रायक्षिक भूगोल'

B. A. First Year
Subject: Geography
Semester – II
Paper- CCGEOG - III
Geomorphology

Marks: 50

Credits: 04

Periods: 60

Salient Features

1. The aim of this course is to introduce the students with interior of the earth, rocks, and endogenic and exogenic forces and their resultant landforms

Utility

1. To help students to know the evolutionary process of various features of landforms

Learning Objectives

1. To develop skills among the students to identify the landforms and their agents
2. To have the knowledge of types rocks and weathering

Pre-requisites

1. Books, Maps, Globe, Models, Rock Samples
 2. ICT
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Unit: 1 Introduction

- A. Definition, Nature and Scope of Geomorphology
- B. Geomorphology and its Influence on – Settlement and Land use

Unit: 2 Interior of the Earth, Rocks and Weathering

- A. Interior of the Earth
- B. Classification of Rocks According to Origin
 - i. Igneous
 - ii. Sedimentary
 - iii. Metamorphic
- C. Types of Weathering
 - i. Mechanical
 - ii. Chemical
 - iii. Biological

Unit: 3 Endogenic Forces

- A. Endogenic Forces
 - i. Types of Folds and Faults
 - ii. Earthquake - Meaning, Causes and Effects

Unit: 4 Exogenic Forces

- A. Cycle of Erosion
- B. Landforms Associated With
 - i. River
 - ii. Glacier
 - iii. Wind

References

- 1) Clyton. K. (1986) - 'Earth Crust' Adus Brooks London.
- 2) Davis W.M. (1909) - 'Geographical Essay' Ginnia Co.
- 3) Dayal P (1946) - 'A text book of Gemorphology' Shukla Book Depot Patana
- 4) Garland G.D. (1966) - 'Continental Drift' Uni. of Toronto press- Canada.
- 5) Hodgson J.H. (1964) - 'Earthquakes and Structure' Prentice Hall inc.
- 5) Kale V.A & Gupta (2001) - 'Elements of Geomorphology' Oxford Uni. Press
- 6) Majid Hussain (2001) - 'Principals of physical Geography' 'Rawat; Publication, Jaipur
- 7) Monkhouse (1951) - 'Principle of Physical Geography' Mc Graw Hill Pub-New York
- 8) Pitty A.F. (1971) - 'Introduction of Geomorphology' Adus Brooks London.
- 9) Savinder सॉिंग (1998) - 'Physical Geography' Prayag Pub. Allahabad.
- 10) Strahler A.N. (1968) - 'Physical Geography' Easten P. Ltd. New Delhi.
- 11) Steers J.A. (1958) - 'Earth Crust' Adus Brooks London
- 12) Wegner A. (1924) - 'The Origin of Continents and Oceans' Mathhen & Co. Ltd. London.
- 13) Wooldridge & Morgan (1966) - 'An Outline of Geomorphology' Longman London.
- 14) तावडे मोहन द. 'भूरुपशास्त्र', कॉन्टीनेंटल प्रकाशन , पुणे -30
- 15) मगर जयकुमार , 'भूरुपशास्त्र', विद्या प्रकाशन, नागपूर
- 16) फुले सुरेश, 'भूरुपशास्त्र', विद्याभारती प्रकाशन , लातूर
- 17) दाते सु. प्र. आणि दाते संजिवनी, प्राकृतिक भूगोल, विद्या प्रकाशन , नागपूर
- 18) डॉ. शेटे शंकरराव , डॉ. फुले सुरेश व डॉ. शहापूरकर ओमप्रकाश ' प्राकृतिक भूगोल', अभीजित पब्लिकेशन , लातूर
- 19) नागतोडे डॉ. पी.एन., डॉ. शेख आणि दुधपचारे डॉ. योगेश 'भूरुपशास्त्र व सागरशास्त्र', विद्या प्रकाशन, नागपूर
- 20)

B. A. First Year Subject: Geography
Semester – II Paper- CCGEOG - IV
Practical Geography

Marks: 50

Credits: 02

Periods: 30

Salient Features

1. The aim of this course is to introduce the students with methods of showing relief, landforms and Introduction to Survey of India Map.

Utility

2. To develop skills among the students to decipher the landforms using contours and Use of Topographical Maps.

Learning Objectives

3. To develop abilities among the students to interpret the toposheets, calculate time using longitudes
4. To learn the techniques of showing the relief and landforms

Pre-requisites

3. Books, Maps, Globe, Models
 4. ICT
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Unit 1 : Methods of Showing Relief

- i. Hachures, Layer Tint, Spot Height, Bench Mark, Trigonometric Point and Contours

Unit: 2 Methods of Showing Landforms

- i. Representation of different landforms by Contours Conical Hill, Plateau, Ridge, 'V' and 'U' Shaped Valley and Cliff
- ii. Identification of Slopes Using Contour Lines

Unit: 3 Drawing of Profile

- i. Serial profile
- ii. Superimposed profile
- iii. Composite profile

Unit: 4 Introduction to Indian Topographical Maps.

1. Indexing and conventional signs and symbols (OS)
2. Grid references.
3. Locational and Relief aspects of the area
 - a. Latitudinal & Longitudinal extension
 - b. Contour interval
 - c. Maximum and Minimum heights

Reference Books:

1. Khan, S.A. : Text Book of Practical Geography.
2. Mishra, R.P. & Ramesh, A. : Fundamentals of Cartography.
3. Monkhouse, F.J. & Wilkinson, H.R. : Maps and Diagrams.
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6. कुंभार डॉ. अर्जुन , 'प्रात्यक्षिक भूगोल'
7. अहिरराव डॉ. डी.वाय. व प्रा. करंजखेले प्रात्यक्षिक भूगोल
8. नागतोडे , लांजेवार 'नकाशाशास्त्र व प्रात्याक्षिक भूगोल , पिंपळापूरे प्रकाशन , नागपूर
9. शिंदे डॉ. एस. बी. , 'नकाशाशास्त्र' फडके प्रकाशन, कोल्हापूर
10. कनकुरे डॉ. के.बी. , डॉ. मानकरी एम.पी. , 'प्रात्यक्षिक भूगोल'

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