

GEOGRAPHY

STANDARD SEVEN



The Constitution of India

Chapter IV A

Fundamental Duties

ARTICLE 51A

Fundamental Duties- It shall be the duty of every citizen of India—

- (a) to abide by the Constitution and respect its ideals and institutions, the National Flag and the National Anthem;
- (b) to cherish and follow the noble ideals which inspired our national struggle for freedom;
- (c) to uphold and protect the sovereignty, unity and integrity of India;
- (d) to defend the country and render national service when called upon to do so;
- (e) to promote harmony and the spirit of common brotherhood amongst all the people of India transcending religious, linguistic and regional or sectional diversities, to renounce practices derogatory to the dignity of women;
- (f) to value and preserve the rich heritage of our composite culture;
- (g) to protect and improve the natural environment including forests, lakes, rivers and wild life and to have compassion for living creatures;
- (h) to develop the scientific temper, humanism and the spirit of inquiry and reform;
- (i) to safeguard public property and to abjure violence;
- (j) to strive towards excellence in all spheres of individual and collective activity so that the nation constantly rises to higher levels of endeavour and achievement;
- (k) who is a parent or guardian to provide opportunities for education to his child or, as the case may be, ward between the age of six and fourteen years.

The Coordination Committee formed by GR No. Abhyas - 2116/(Pra.Kra.43/16) SD - 4
Dated 25.4.2016 has given approval to prescribe this textbook in its meeting held on 3.3.2017

GEOGRAPHY

STANDARD SEVEN



**Maharashtra State Bureau of Textbook Production and
Curriculum Research, Pune.**



The digital textbook can be obtained through DIKSHA APP on a smartphone by using the Q. R. Code given on title page of the textbook and useful audio-visual teaching-learning material of the relevant lesson will be available through the Q. R. Code given in each lesson of this textbook.

First Edition :
2017
Fourth Reprint :
2021

© **Maharashtra State Bureau of Textbook Production and Curriculum Research, Pune - 411 004.**

The Maharashtra State Bureau of Textbook Production and Curriculum Research reserves all rights relating to the book. No part of this book should be reproduced without the written permission of the Director, Maharashtra State Bureau of Textbook Production and Curriculum Research, 'Balbharati', Senapati Bapat Marg, Pune 411004.

Geography Subject Committee:

Dr N. J. Pawar, Chairman

Dr Suresh Jog, Member

Dr Rajani Deshmukh, Member

Shri. Sachin Parshuram Aher, Member

Shri. Gourishankar Khobre, Member

Shri R. J. Jadhav, Member-Secretary

Geography Study Group:

Dr Hemant Mangeshrao Pednekar

Dr Kalpana Prabhakar Rao Deshmukh

Dr Suresh Genurao Salve

Dr Hanmant Laxman Narayanekar

Dr Pradyumna Shashikant Joshi

Shri. Sanjay Shriram Paithane

Shri. Shriram Raghunath Vaijapurkar

Shri. Pundalik Dattatray Nalawade

Shri. Atul Deenanath Kulkarni

Shri. Baburao Shripati Powar

Dr Shaikh Husain Hamid

Shri. Omprakash Ratan Thete

Shri. Padmakar Pralhadrao Kulkarni

Shri. Shantaram Nathhu Patil

Illustrations : Shri. Bhatu Ramdas Bagale
Shri. Nilesh Jadhav

Cover : Shri. Bhatu Ramdas Bagale

Cartography and

Coordination : Shri. Ravikiran Jadhav

Translation : Dr Suresh Jog

Scrutiny : Smt. Samruddhi Patwardhan

Translation Coordination :

Dhanvanti Hardikar

Academic Secretary for Languages

Santosh Pawar

Assistant Special Officer, English

Typesetting : DTP Section, Textbook Bureau, Pune

Paper : 70 GSM Creamwove

Print Order : N/PB/2021-22/(1,25,000)

Printer : M/s. Sadanand Offset & Packaging Industries, Sangli

Production :

Shri. Sachchitanand Aphale

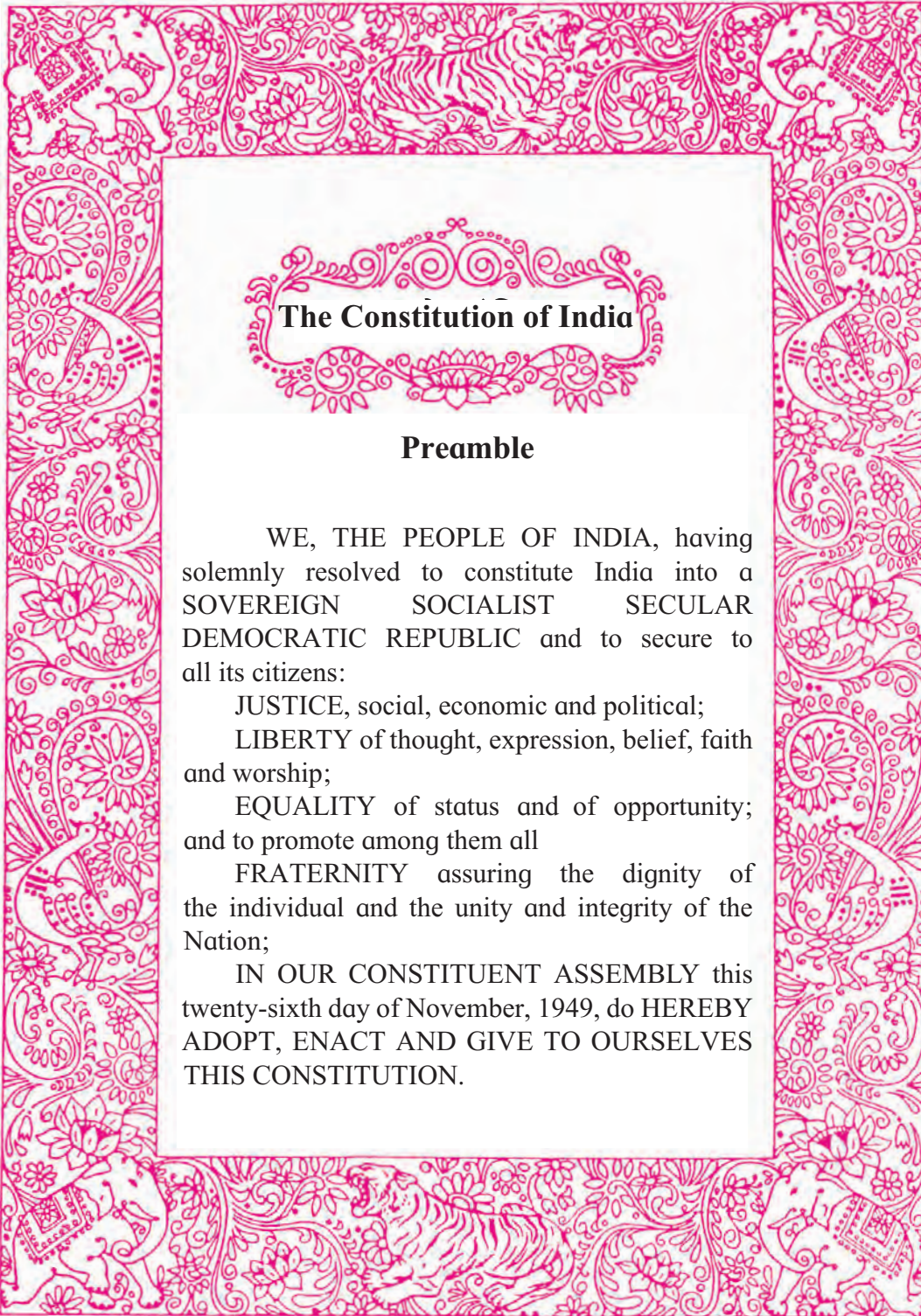
Chief Production Officer

Shri. Vinod Gawde, Production Officer

Mrs. Mitali Shitap, Assistant Production Officer

Publisher :

Shri. Vivek Uttam Gosavi,
Controller
Maharashtra State
Textbook Bureau,
Prabhadevi,
Mumbai - 400 025



The Constitution of India

Preamble

WE, THE PEOPLE OF INDIA, having solemnly resolved to constitute India into a SOVEREIGN SOCIALIST SECULAR DEMOCRATIC REPUBLIC and to secure to all its citizens:

JUSTICE, social, economic and political;

LIBERTY of thought, expression, belief, faith and worship;

EQUALITY of status and of opportunity; and to promote among them all

FRATERNITY assuring the dignity of the individual and the unity and integrity of the Nation;

IN OUR CONSTITUENT ASSEMBLY this twenty-sixth day of November, 1949, do HEREBY ADOPT, ENACT AND GIVE TO OURSELVES THIS CONSTITUTION.

NATIONAL ANTHEM

Jana-gana-mana-adhināyaka jaya hē
Bhārata-bhāgya-vidhātā,

Panjāba-Sindhu-Gujarāta-Marāthā
Drāvida-Utkala-Banga

Vindhya-Himāchala-Yamunā-Gangā
uchchala-jaladhi-taranga

Tava subha nāmē jāgē, tava subha āsisa māgē,
gāhē tava jaya-gāthā,

Jana-gana-mangala-dāyaka jaya hē
Bhārata-bhāgya-vidhātā,

Jaya hē, Jaya hē, Jaya hē,
Jaya jaya jaya, jaya hē.

PLEDGE

India is my country. All Indians
are my brothers and sisters.

I love my country, and I am proud
of its rich and varied heritage. I shall
always strive to be worthy of it.

I shall give my parents, teachers
and all elders respect, and treat
everyone with courtesy.

To my country and my people,
I pledge my devotion. In their
well-being and prosperity alone lies
my happiness.

Preface

Dear Students,

Welcome to Standard VII ! So far, you have studied Geography as part of Environmental Studies in Std III to V and from your Geography textbook in Std VI. Now we are happy to offer this Std VII Geography textbook to you.

Many events occur in your surroundings. You are a part of the environment where Nature keeps meeting you in the form of sunlight, rain, and cold. You feel happy when a light, pleasant breeze touches you. Geography is a subject that offers explanations of all these natural events. It takes you closer to Nature. In this subject, we also study the interactions of living organisms among themselves and with Nature.

You will learn many basic concepts related to the earth in this subject. You have to study many factors of human activities closely associated with your daily life. If you study them well, it will definitely prove useful to you in future. In Geography we also study the financial, social, cultural interactions between various human communities.

The skills of observation, thinking and analysis are important for learning this subject well. Keep using and refining them. Maps, charts, graphs, diagrams, information and communication are tools for learning this subject. Get well acquainted with them.

Do carry out the easy tasks and activities given in this textbook for you. Many things that you have learnt in your previous textbook will help you to learn from this book. Do keep them in mind.

Wish you all the best !



Pune

Date : 28.03.2017, (Gudhi Padwa)

Indian Solar Year :
7 Chaitra, 1939

(Dr Sunil Magar)

Director

Maharashtra State Bureau of Textbook
Production and Curriculum Research, Pune

English Geography - Standard Seven - Learning Outcomes

Suggested Pedagogical Processes	Learning Outcomes
The learner may be provided opportunities in pairs/ groups/individually and encouraged to :	The learner-
- Observes stars, planets, satellites (Moons), eclipses under the guidance of guardians/teachers to understand the astronomical events. - Critically discuss the superstitions associated with eclipses. - Using diagrams, tools and models to understand the movements of the sun, the moon and the earth.	07.73G.01 Explains clearly that tilted axis, rotation and revolution of the earth are responsible for formation of seasons. 07.73G.02 Explains the effect of various seasons on the living organisms. 07.73G.03 Identifies that the eclipses are astronomical events/phenomenon on the earth. 07.73G.04 Critically reviews the superstitions related to eclipses.
- Understanding the physical factors and reasons of soil formation. - Identifying and classifying the soil types by collecting soil samples from the surroundings /regions.	07.73G.05 Shows sensitivity towards conservation of soil as a natural resource. 07.73G.06 Explains the types of soils in Maharashtra on the basis of maps.
- Understanding the correlation between temperature and pressure belts. - Discussing a region's air pressure with the help of maps and geographical tools.	07.73G.07 Explains the effects of air pressure. 07.73G.08 Explains the air pressure of a region with the help of isobars.
- Understanding the change occurring in the direction of winds. - Classifying the winds into planetary and local winds - Using technology to obtain information about cyclones/storms. - Using various activities, models to understand the effects occurring on the movements of sea water.	07.73G.09 Tells the reasons behind formation of winds. 07.73G.10 Explains the types of winds. 07.73G.11 Explains the effects of winds. 07.73G.12 Explains the effects of the sun, the moon and the earth on the movements of the sea water.
- Understanding how human activities have changed allied activities in agriculture with time. - Explaining the importance of Agro-tourism and naturally ripened products. - Collecting information regarding modern agriculture and marketing.	07.73G.13 Tells the various allied activities of agriculture. 07.73G.14 Explains the types of agriculture with examples. 07.73G.15 Explains the importance of marketing system for agriculture. 07.73G.16 Explains the importance of agriculture in human's life and country's economy.
- Understanding the adaptation of the living organisms according to physical set-up. - Discusses natural regions with the help of references and maps. - Asks questions regarding specific regions and finds out with respect to them.	07.73G.17 Explains the effects of physical elements on the living organisms. 07.73G.18 Can show the natural regions on the outline map of the world.
- Considering the distribution of human settlements and patterns. - Examining the favourable and non-favourable effects of mutual relationship between physical setup and humans in a region.	07.73G.19 Explains how man has used geographical factors in the formation of human settlements. 07.73G.20 Identifies the patterns of human settlements and their types.
- Identifying landforms in a region with the help of maps and geographical tools. - Drawing conclusions regarding geographical elements from maps.	07.73G.21 Draws contours. 07.73G.22 Reads contour maps. 07.73G.23 Explains the uses of contour maps.

- For Teachers -

- ✓ To begin with, get familiar with the textbook yourself.
- ✓ Please plan carefully and independently for the activities in each chapter. Please do not teach without planning.
- ✓ The teaching-learning interactions, processes and participation of all students is very necessary and so is your active guidance.
- ✓ Please use the geographical teaching aids in the school as required for the appropriate understanding of the subject. It is necessary to use the globe, the maps of the World, India and the State, atlases and thermometers.
- ✓ Though the number of chapters has been reduced the number of periods required for each chapter has been given a thought. Abstract concepts are difficult to follow and therefore you are expected to use the given number of periods fully. This will help the students to assimilate the content without feeling the 'burden of learning'.
- ✓ Like other social sciences, geographical concepts too are not easy to understand. Major concepts of geography have a scientific base and they deal with abstractions. Encourage group work, learning through each other's help, etc. Facilitate peer learning as much as possible by reorganizing the class structure frequently.
- ✓ You will find that the character 'Globe' appears in different boxes and instructions given in the chapters. Please ensure that it helps to create interest in the subject.
- ✗ The present book has been prepared for constructivist and activity-based teaching. Please do not teach the lessons in the book by just reading them aloud.
- ✓ Follow the order of the chapters as given in the contents because the concepts have been introduced in a graded manner to facilitate knowledge-building.
- ✓ Do not use the boxes titled 'Do you know?' for evaluation.
- ✓ A glossary is given at the end of the book. Detailed information of important geographical terms / concepts in the chapters is given in this glossary. The words are given alphabetically. The words included in the glossary are enclosed in blue highlights in the chapters, e.g. eclipse (Chapter 2, Page 4)
- ✓ Some websites have been given for reference at the end of the chapter and the glossary. Also, a list of references used is also given. You as well as the students are expected to use these references. These references will surely help you to go beyond the textbook. Please bear in mind that extra reading is always helpful for understanding any subject in depth.
- ✓ Use thought-provoking, activity-oriented, open-ended, multiple choice questions for evaluation. Some examples are given at the end of the chapters in the 'exercises'.
- ✓ Use QR Code given in the textbook.

- For Students -

The character '**Globe**' will meet you in every chapter. Have you guessed who he is? He will help in the various tasks you are expected to do. Try to follow his instructions.

CONTENTS

S. No.	Chapters	Area	Page No.	Expected Number of Periods
1.	How Seasons Occur - Part 1	General Geography	01	03
2.	The Sun, the Moon and the Earth	General Geography	03	09
3.	Tides	Physical Geography	09	10
4.	Air Pressure	Physical Geography	16	09
5.	Winds	Physical Geography	21	09
6.	Natural Regions	Physical Geography	30	13
7.	Soils	Physical Geography	39	09
8.	How Seasons Occur - Part 2	General Geography	46	10
9.	Agriculture	Human Geography	52	12
10.	Human Settlements	Human Geography	62	07
11.	Contour Maps and Landforms	Practical Geography	69	07
	Glossary		75	98

S.O.I. Note : The following foot notes are applicable : (1) © Government of India, Copyright : 2016. (2) The responsibility for the correctness of internal details rests with the publisher. (3) The territorial waters of India extend into the sea to a distance of twelve nautical miles measured from the appropriate base line. (4) The administrative headquarters of Chandigarh, Haryana and Punjab are at Chandigarh. (5) The interstate boundaries amongst Arunachal Pradesh, Assam and Meghalaya shown on this map are as interpreted from the "North-Eastern Areas (Reorganisation) Act. 1971," but have yet to be verified. (6) The external boundaries and coastlines of India agree with the Record/Master Copy certified by Survey of India. (7) The state boundaries between Uttarakhand and Uttar Pradesh, Bihar and Jharkhand and Chattisgarh and Madhya Pradesh have not been verified by the Governments concerned. (8) The spellings of names in this map, have been taken from various sources.

DISCLAIMER Note : All attempts have been made to contact copyright holders (©) but we have not heard from them. We will be pleased to acknowledge the copyright holder (s) in our next edition if we learn from them.

Front Cover : Children putting up prominent features on the Globe. Back Cover : (1) Gateway of India, Mumbai (2) People of Masai and Zulu tribes, and their house (3) Hampi, Karnataka (4) A sledge - a means of transport in the Tundra region (5) A Mongol hunter (6) Transplanting rice - South Asia.