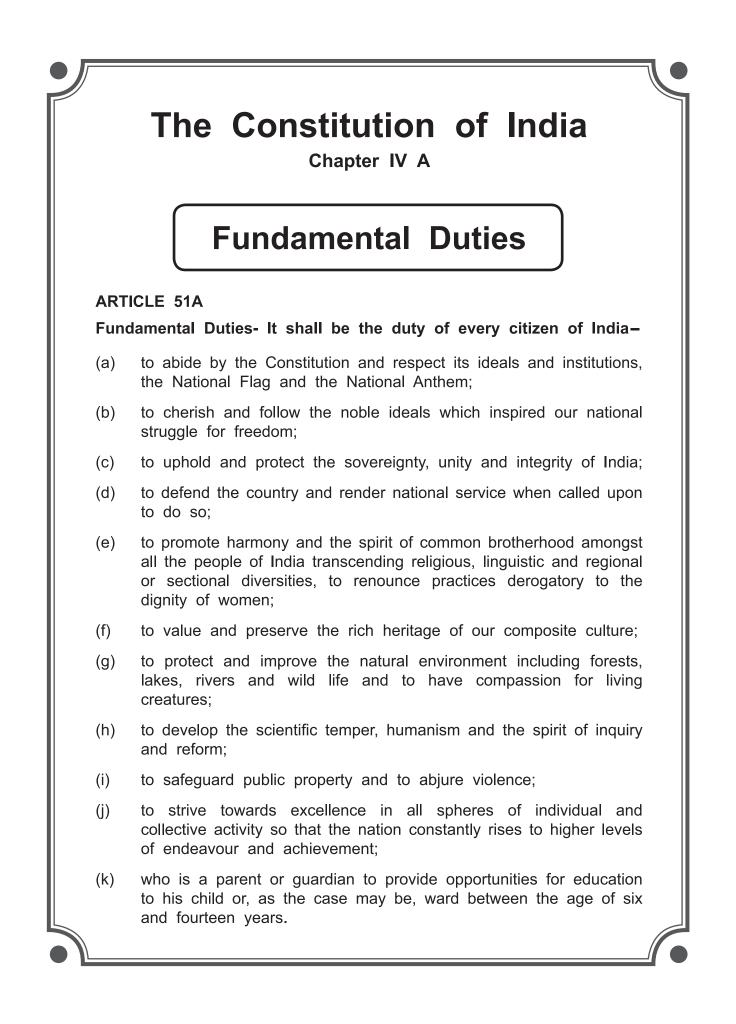
# **GEOGRAPHY** STANDARD SIX

In

8

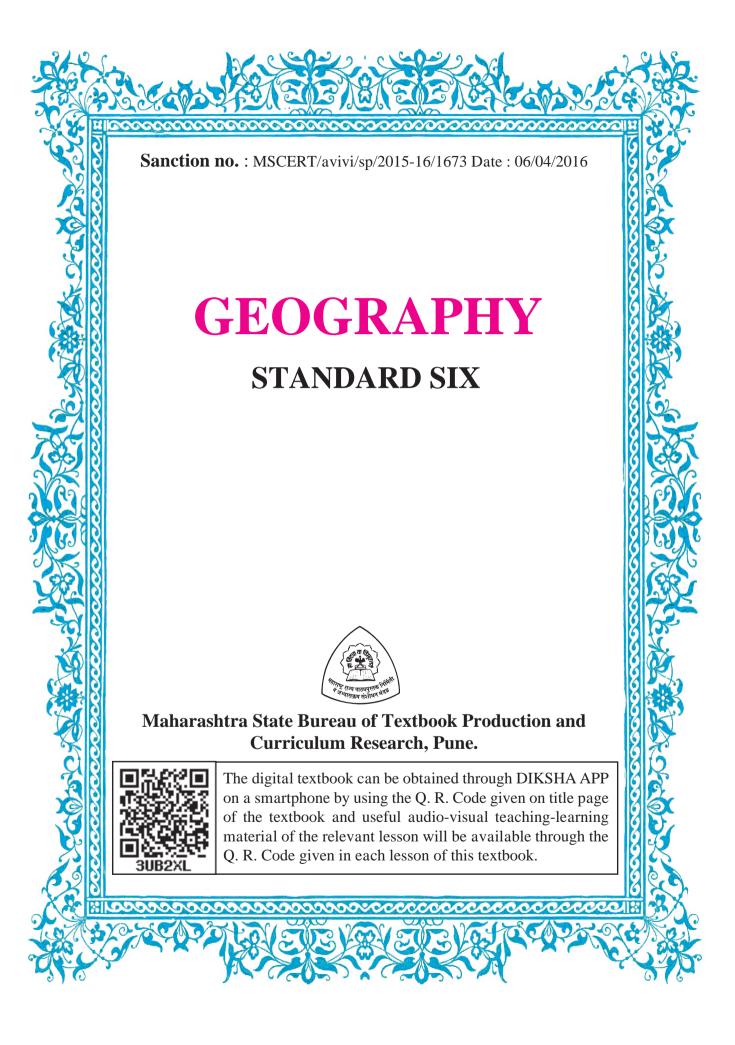


Date	Temperature			- 1	Temperature.		
	('Celsius)	Min (Celsius)	(Difference intemp (°Celsius)	Date	(°Celsius)	(Celsius)	Difference in temp. (° celsius)
15b March 2016	34	24	10	15th March 2016	38.4	23.5	14.9
2nd March 2016	37	21	16	17th March 2016	40	22	18
3rd March 2016	34	21	13	18th March 2016	41	24	17
4 March 2016	35	23	12	19th March 2016	41	26	15
5th March 2016	36	23	13	20th March 2016	41	24	17
6th March 2016	37	24	13	21 March 2016	40	24	16
7th March 2016	38	23	15	22M March 2016	41	24	17
8th March 2016	38.3	25.1	13.2	23th March 2016	42	23	19
9th March 2016	37.6	24.6	13.0	24th March 2016	42	24	18
10th March 2016	39.2	24+2	15.0	25th March 2016	41.6	28.1	13.5
11th March 2016	40.7	24.5	16:2	26 March 2016	41.3	27.9	13.4
12th March 2016	40	25	15	27th March 2016	41.3	27.9	13.4
13th March 2016	37.4	25.4	12.0	28th March 2016	39.7	25:5	14.2
14th March 2016	36.7	20.5	16.2	29th March 2016	40.9	25.0	15.9
15址 March 2016	36.7	18.9	17.8	30th March 2016 31st March 2016	40+2 40	24.8	15.4

(A) A Specimen of a Student's Activity Sheet



(B) A Specimen of a Student's Activity Sheet (This is a specimen, not a model sheet. Help the children to correct their errors, if any.)



### First Edition : 2016 Fifth Reprint : 2021

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**Typesetting :** DTP Section, Textbook Bureau, Pune

Paper: 70 GSM Creamwove

Print Order : N/PB/2021-22 (70,000)

Printer : M/s. Renuka Binders, Pune

#### **Production :**

Shri. Sachchitanand Aphale Chief Production Officer Shri. Vinod Gawde, Prodution Officer Mrs. Mitali Shitap, Assistant Production Officer

### **Publisher**:

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

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### Preface

The '**Primary Education Curriculum - 2012**' was prepared in the State of Maharashtra following the '**Right of Children to Free and Compulsory Education Act, 2009**' and the '**National Curriculum Framework 2005**'. This syllabus approved by the State Government is being implemented from the academic year 2013-2014. In the syllabus as well as in the textbooks for Std III to V, 'Geography' was included in 'Environmental Studies'. However, Std VI onwards, it is included separately. This textbook has also been prepared accordingly. We are happy to place it in your hands.

Our approach while designing this textbook was that the entire teaching-learning process should be child-centred, the emphasis should be on self-learning and the process of education should become enjoyable and interesting. In this process of teaching-learning, the specific competencies that children are expected to achieve at the various stages of primary education should be outlined clearly. That is why, the expected competencies regarding Geography have been given in the textbook.

As this is a Geography textbook, the Committee have given a thought to the following points: The textbook should not be a burden, but at the same time, it should introduce essential geographical concepts and skills. It is a right of the student to achieve modern contemporary education and that is how we have tried to introduce Geography to the student. The maps, graphs, charts, etc. given in this textbook are designed in such a way that they will help the children to acquire skills useful in their daily life.

The world, the earth, the graticule, the biosphere, the weather and the environment are all abstract concepts but the students are always curious about them. We have tried to take these concepts closer to the students. The conventional structure of exercises has been replaced with open-ended, thought-provoking questions. Special instructions have also been given to the teachers. To make teaching more activity-oriented, projects have been provided.

This book was scrutinized by teachers, educationists, and experts from all parts of the State to make it as flawless and useful as possible. Their comments and suggestions have been duly considered while finalizing the book.

The Geography Subject Committee and the Study Group of the Textbook Bureau, and the artist have taken great pains to prepare this book. The Bureau is thankful to all of them.

We hope that this book will receive a warm welcome from students, teachers and parents.

Pune Date: 9 May 2016, Akshay Tritiya Indian Solar Year : Vaishakh 19, 1938



(Dr. Sunil Magar) Director Maharashtra State Bureau of Textbook Production and Curriculum Research, Pune



### 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.

### **ENGLISH GEOGRAPHY- STANDARD VI - LEARNING OUTCOMES**

Suggested Pedagogical Processes	Learning Outcomes		
The learner may be provided opportunities in pairs/groups/individually and encouraged to :	The learner-		
<ul> <li>Understand concepts like angular distance, latitudes and longitudes, etc.</li> <li>Using globe for understanding latitudes and longitudes.</li> <li>Using map/technology to find out the location of country/state/district/ village/school, etc.</li> </ul>	<ul> <li>06.73G.01 Visualizes the angular distances in three dimensions.</li> <li>06.73G.02 Identifies latitudes and longitudes, for example, the Poles, the equator and the tropics.</li> <li>06.73G.03 Shows location and extent with the help of latitudes and longitudes in the map and globe.</li> </ul>		
<ul> <li>Explaining the climate of a place with the help of daily winds.</li> <li>Discussing various elements of weather.</li> <li>Identifying the average temperature of a place with the help of isotherms on a map.</li> <li>Correlating the distribution of sunrays and the temperature zones.</li> <li>Making note of temperatures in the newspapers and with the help of thermometers.</li> </ul>	<ul> <li>06.73G.04 Differentiates between climate and weather.</li> <li>06.73G.05 Explains the factors affecting temperature.</li> <li>06.73G.06 Thinks about the curvature of the isotherms on the map.</li> <li>06.73G.07 Understands / explains the global distribution of temperature on the basis of thermal zones.</li> <li>06.73G.08 Records temperatures accurately and interprets them.</li> </ul>		
<ul> <li>Understand the importance of oceans and discuss the reasons behind marine pollution.</li> <li>Using maps to show oceans on world outline maps.</li> </ul>	<ul><li>06.73G.09 Explains the importance of oceans to mankind with examples.</li><li>06.73G.10 Shows oceans on maps and globes.</li></ul>		
<ul> <li>Collect various types of rock samples.</li> <li>Obtain information regarding the rocks found in the surrounding, rocks used in making historical monuments, houses, etc.</li> <li>Explain the distribution of rock types in Maharashtra with the help of a map of Maharashtra.</li> </ul>	<ul> <li>06.73G.11 Explains differences in rock types.</li> <li>06.73G.12 Identifies rock types with the help of pictures.</li> <li>06.73G.13 Explains the rock types in Maharashtra with the help of map.</li> </ul>		
<ul> <li>Explaining the use of natural resources giving examples.</li> <li>Discussing that the judicious use of the reserves of natural resources is necessary.</li> <li>Collect information regarding the distribution of various natural resources like land, soil, water, natural vegetation, minerals, energy resources, etc,. and relating it with India and the world.</li> </ul>	<ul> <li>06.73G.14 Analyses the uneven distribution of natural resources on earth.</li> <li>06.73G.15 Explains the dependence of living organisms on natural resources.</li> <li>06.73G.16 Supports the judicious use of natural resources.</li> </ul>		

<ul> <li>Give examples of process-based and substance- based energy resources.</li> <li>Suggesting measures to conserve energy resources.</li> </ul>	06.73G.17 Classifies energy resources. 06.73G.18 Shows the distribution of important energy resources like mineral oil and coal.
<ul> <li>Correlating on the basis of the differences between various occupations.</li> <li>Interpreting the pie charts showing various occupations.</li> <li>Visiting an occupation in the locality, collecting information and discussing it.</li> </ul>	06.73G.19 Classifies various human occupations. 06.73G.20 Correlates various human occupations.
• Understand the difference between uses of maps and globes.	<ul><li>06.73G.21 Tells the difference between a globe and a map.</li><li>06.73G.22 Uses maps and globes.</li></ul>
• Collecting information regarding various occupations by visiting them and correlating them.	06.73G.23 Verifies the information regarding occupations through field –visits.

# CONTENTS

S. No.	Chapters	Area	Page No.	Expected Number of Periods
1.	The Earth and the Graticule	General Geography	01	10
2.	Let us Use the Graticule	General Geography	10	10
3.	Comparing a Globe and a Map; Field Visits	Practical Geography	16	12
4.	Weather and Climate	Physical Geography	19	06
5.	Temperature	Physical Geography	23	10
6.	Importance of Oceans	Physical Geography	31	10
7.	Rocks and Rock Types	Physical Geography	40	10
8.	Natural Resources	Human Geography	45	10
9.	Energy Resources	Human Geography	51	10
10.	Human Occupations	Human Geography	60	10
	Glossary		66-69	

**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.

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Front Cover : A girl and a boy hugging a globe. Back Cover :Various photographs according to the content of the chapters. (1) Mining (2) Samples of rocks (3) Modern weather instruments (4) Bhedaghat (5) Power generation centre (6) Collection of rubber latex (7) Coconut grove (8) Agriculture (9) Water transport (10) Pollution of sea water and air due to oil spill and fire.

# - For Teachers -

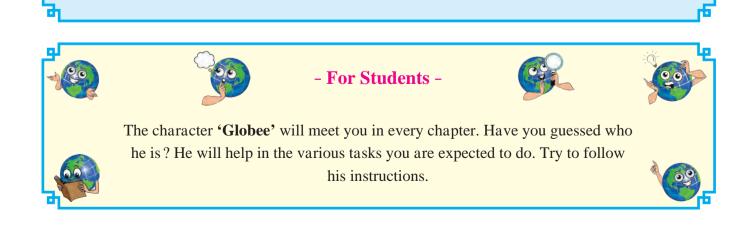
✓ To begin with, get familiar with the textbook yourself.

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- 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 are 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 'Globee' 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. Bhuvan (Chapter 1, Page 7)
- 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'.



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