Social Science Contemporary India-I

TEXTBOOK IN GEOGRAPHY FOR CLASS IX



राष्ट्रीय शैक्षिक अनुसंधान और प्रशिक्षण परिषद् NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING

First Edition

March 2006 Phalguna 1927

Reprinted

November 2006 Kartika 1928 December 2007 Pausa 1929 February 2009 Pausa 1930 January 2010 Magha 1931 November 2010 Agrahayana 1932 January 2012 Magha 1933 November 2012 Kartika 1934 November 2013 Kartika 1935 December 2014 Agrahayana 1936

PD 480T MJ

© National Council of Educational Research and Training, 2006

₹ 40.00

Printed on 80 GSM paper with NCERT watermark

Published at the Publication Division by the Secretary, National Council of Educational Research and Training, Sri Aurobindo Marg, New Delhi 110 016 and printed at Chandra Prabhu Offset Printing Works (P) Ltd., C-40, Sector-8, Noida 201 301 (UP)

ISBN 81-7450-520-2

ALL RIGHTS RESERVED

- No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise without the prior permission of the publisher.
- This book is sold subject to the condition that it shall not, by way of trade, be lent, re-sold, hired out or otherwise disposed of without the publisher's consent, in any form of binding or cover other than that in which it is published.
- The correct price of this publication is the price printed on this page, Any revised price indicated by a rubber stamp or by a sticker or by any other means is incorrect and should be unacceptable.

OFFICES OF THE PUBLICATION DIVISION, NCERT

NCERT Campus Sri Aurobindo Marg New Delhi 110 016

108, 100 Feet Road Hosdakere Halli Extension Banashankari III Stage Bengaluru 560 085

Phone : 080-26725740

Navjivan Trust Building P.O.Navjivan Ahmedabad 380 014

CWC Campus Opp. Dhankal Bus Stop Panihati

Kolkata 700 114 Phone: 033-25530454

CWC Complex Maligaon Guwahati 781 021

Phone: 0361-2674869

: N. K. Gupta

Phone: 011-26562708

Phone: 079-27541446

Publication Team

Head, Publication

Division

Chief Production : Kalyan Banerjee

Officer

Chief Editor : Shveta Uppal Chief Business : Gautam Ganguly

Manager

Editorial Assistant : Mathew John

Production Assistant : Subodh Srivastava

Cover

Sarita Verma Mathur

Illustrations Sarita Verma Mathur Praveen Mishra Anil Sharma Cartography Cartographic Designs Agency Praveen Mishra

FOREWORD

The National Curriculum Framework, (NCF) 2005, recommends that children's life at school must be linked to their life outside the school. This principle marks a departure from the legacy of bookish learning which continues to shape our system and causes a gap between the school, home and community. The syllabi and textbooks developed on the basis of NCF signify an attempt to implement this basic idea. They also attempt to discourage rote learning and the maintenance of sharp boundaries between different subject areas. We hope these measures will take us significantly further in the direction of a child-centred system of education outlined in the National Policy on Education (1986).

The success of this effort depends on the steps that school principals and teachers will take to encourage children to reflect on their own learning and to pursue imaginative activities and questions. We must recognise that, given space, time and freedom, children generate new knowledge by engaging with the information passed on to them by adults. Treating the prescribed textbook as the sole basis of examination is one of the key reasons why other resources and sites of learning are ignored. Including creativity and initiative is possible if we perceive and treat children as participants in learning, not as receivers of a fixed body of knowledge.

These aims imply considerable change in school routines and mode of functioning. Flexibility in the daily time-table is as necessary as rigour in implementing the annual calendar so that the required number of teaching days are actually devoted to teaching. The methods used for teaching and evaluation will also determine how effective this textbook proves for making children's life at school a happy experience, rather than a source of stress or boredom. Syllabus designers have tried to address the problem of curricular burden by restructuring and reorienting knowledge at different stages with greater consideration for child psychology and the time available for teaching. The textbook attempts to enhance this endeavour by giving higher priority and space to opportunities for contemplation and wondering, discussion in small groups, and activities requiring hands-on experience.

The National Council of Educational Research and Training (NCERT) appreciates the hard work done by the textbook development committee responsible for this book. We wish to thank the Chairperson of the advisory group in Social Sciences, Professor Hari Vasudevan and the Chief Advisor for this book, Professor M. H. Qureshi for guiding the work of this committee. Several teachers contributed to the development of this textbook; we are grateful to their principals for making this possible. We are indebted to the institutions and organisations which have generously permitted us to draw upon their resources, material and personnel. We are especially grateful to the members

of the National Monitoring Committee, appointed by the Department of Secondary and Higher Education, Ministry of Human Resource Development under the Chairpersonship of Professor Mrinal Miri and Professor G.P. Deshpande, for their valuable time and contribution. As an organisation committed to systemic reform and continuous improvement in the quality of its products, NCERT welcomes comments and suggestions which will enable us to undertake further revision and refinement.

New Delhi 20 December 2005 Director National Council of Educational Research and Training

TEXTBOOK DEVELOPMENT COMMITTEE

CHAIRPERSON, ADVISORY COMMITTEE FOR TEXTBOOKS IN SOCIAL SCIENCE AT THE SECONDARY LEVEL

Hari Vasudevan, *Professor*, Department of History, University of Calcutta, Kolkata

CHIEF ADVISOR

M. H. Qureshi, Professor, CSRD, Jawaharlal Nehru University, New Delhi

MEMBERS

K. Jaya, *PGT*, Convent of Jesus and Mary, Bangla Sahib Road, New Delhi Punam Behari, *Reader*, Miranda Hosue, Chhatra Marg, Delhi University, Delhi Saroj Sharma, *TGT* (Retd.), Mother's International School, Sri Aurboindo Marg, New Delhi

Sudeshna Bhattacharya, *Reader*, Miranda House, Chhatra Marg, Delhi University, Delhi

MEMBER-COORDINATOR

Tannu Malik, Lecturer, DESSH, NCERT, New Delhi

CONSTITUTION OF INDIA

Part III (Articles 12 – 35)

(Subject to certain conditions, some exceptions and reasonable restrictions)

guarantees these

Fundamental Rights

Right to Equality

- before law and equal protection of laws;
- irrespective of religion, race, caste, sex or place of birth;
- of opportunity in public employment;
- by abolition of untouchability and titles.

Right to Freedom

- of expression, assembly, association, movement, residence and profession;
- of certain protections in respect of conviction for offences;
- of protection of life and personal liberty;
- of free and compulsory education for children between the age of six and fourteen years;
- of protection against arrest and detention in certain cases.

Right against Exploitation

- for prohibition of traffic in human beings and forced labour;
- for prohibition of employment of children in hazardous jobs.

Right to Freedom of Religion

- freedom of conscience and free profession, practice and propagation of religion;
- freedom to manage religious affairs;
- freedom as to payment of taxes for promotion of any particular religion;
- freedom as to attendance at religious instruction or religious worship in educational institutions wholly maintained by the State.

Cultural and Educational Rights

- for protection of interests of minorities to conserve their language, script and culture;
- for minorities to establish and administer educational institutions of their choice.

Right to Constitutional Remedies

• by issuance of directions or orders or writs by the Supreme Court and High Courts for enforcement of these Fundamental Rights.

ACKNOWLEDGEMENTS

The National Council of Educational Research and Training acknowledges the contributions of B.S. Butola, *Professor*, CSRD, JNU; Jebachh Singh, *PGT Geography*, Sir G. D. Patlipura, Inter School, Patna and Krishna Kumar Upadhyaya, *PGT Geography*, K.V.A.F.S., Bareily in the development of this textbook.

Acknowledgements are also due to Savita Sinha, *Professor and Head*, Department of Education in Social Science and Humanities, NCERT for her valuable support at every stage of preparation of this textbook.

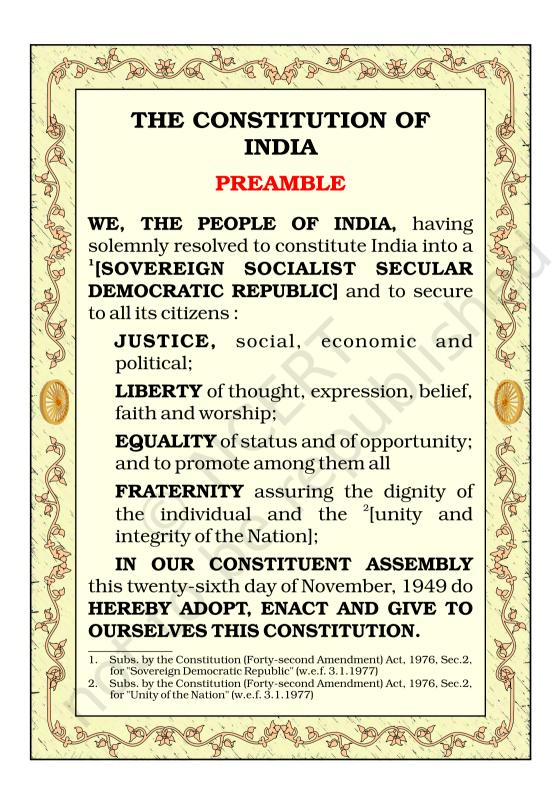
The Council is also grateful to the individuals and organisations as listed below for providing various photographs and illustrations used in this textbook:

M.H. Qureshi, *Professor*, CSRD, JNU for figure 2.7; ITDC/Ministry of Tourism, Govt. of India for Figures 2.6, 2.8, 2.9, 2.11, 3.5, 4.1 and pictures of river, migratory birds and a picture of montane forests on pages 23, 48 and 51 respectively, picture of desert on Cover I, picture of clouds on Cover IV; Cross Section Interactive for a picture of lions on page 48; Tourism of Andaman and Nicobar, Govt. of India for Figure 2.11; Ministry of Environment and Forests, Govt. of India for Figures 2.5, 3.6, picture of corals on page 15 and picture of forest on Cover I; Photo Division, Ministry of Information and Broadcasting, Govt. of India for Figure 2.10; Business Line for Figure 3.2 and Hindustan Times, New Delhi for news in two collages—given on pages 38 and 50.

The Council also gratefully acknowledges the contributions of Anil Sharma and Arvind Sharma, *DTP Operators*; Sameer Khatana and Amar Kumr Prusty, *Copy Editors*; Shreshtha and Deepti Sharma, *Proof Readers* and Dinesh Kumar, *Incharge*, Computer Station who have helped in giving a final shape to this textbook. The efforts of the Publication Department, NCERT are also duly acknowledged.

The following are applicable to all the maps of India used in this book

- © Government of India, Copyright 2006
- . The responsibility for the correctness of internal details rests with the publisher.
- The territorial waters of India extend into the sea to a distance of twelve nautical miles measured from the appropriate base line.
- 3. The administrative headquarters of Chandigarh, Haryana and Punjab are at Chandigarh.
- 4. 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.
- The external boundaries and coastlines of India agree with the Record/Master Copy certified by Survey of India.
- 6. The state boundaries between Uttaranchal & Uttar Pradesh, Bihar & Jharkhand and Chhattisgarh & Madhya Pradesh have not been verified by the Governments concerned.
- 7. The spellings of names in this map, have been taken from various sources.



CONTENTS

Foreword	iii
Chapter 1	
India – Size and Location	1
CHAPTER 2	
Physical Features of India	7
Chapter 3 Drainage	17
Dramage	17
Chapter 4	
Climate	26
Chapter 5	
Natural Vegetation and Wild Life	42
Chapter 6	
Population	53
GLOSSARY	61
Appendix	63

Our National Anthem

Jana-gana-mana adhinayaka, jaya he
Bharata-bhagya-vidhata.
Punjab-Sindh-Gujarat-Maratha
Dravida-Utkala-Banga
Vindhya-Himachala-Yamuna-Ganga
Uchchhala-jaladhi-taranga.
Tava shubha name jage,
Tava shubha asisa mage,
Gahe tava jaya gatha.
Jana-gana-mangala-dayaka jaya he
Bharata-bhagya-vidhata.
Jaya he, jaya he, jaya he,
Jaya jaya jaya, jaya he!

Our National Anthem, composed originally in Bangla by Rabindranath Tagore, was adopted in its Hindi version by the Constituent Assembly as the national anthem of India on 24 January 1950.

First Edition

March 2006 Phalguna 1927

Reprinted

November 2006 Kartika 1928 December 2007 Pausa 1929 February 2009 Pausa 1930 January 2010 Magha 1931 November 2010 Agrahayana 1932 January 2012 Magha 1933 November 2012 Kartika 1934 November 2013 Kartika 1935

PD 480T MJ

© National Council of Educational Research and Training, 2006

₹ 40.00

Printed on 80 GSM paper with NCERT watermark

Published at the Publication Division by the Secretary, National Council of Educational Research and Training, Sri Aurobindo Marg, New Delhi 110 016 and printed at Raj Printing Works, 2-E, Udyog Vihar, Greater Noida (UP)

ISBN 81-7450-520-2

ALL RIGHTS RESERVED

- □ No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise without the prior permission of the publisher.
- ☐ This book is sold subject to the condition that it shall not, by way of trade, be lent, re-sold, hired out or otherwise disposed of without the publisher's consent, in any form of binding or cover other than that in which it is published.
- ☐ The correct price of this publication is the price printed on this page, Any revised price indicated by a rubber stamp or by a sticker or by any other means is incorrect and should be unacceptable.

OFFICES OF THE PUBLICATION DIVISION, NCERT

NCERT Campus Sri Aurobindo Marg New Delhi 110 016

108, 100 Feet Road Hosdakere Halli Extension Banashankari III Stage Bengaluru 560 085

Navjivan Trust Building P.O.Navjivan Ahmedabad 380 014

CWC Campus Opp. Dhankal Bus Stop Panihati

Kolkata 700 114 **CWC Complex**

Maligaon Guwahati 781 021

Phone: 011-26562708

Phone: 080-26725740

Phone: 079-27541446

Phone: 033-25530454

Phone: 0361-2674869

Publication Team

Head, Publication

Division

Chief Production

Officer

Chief Business

Manager

Chief Editor

(Contractual Service)

Editorial Assistant

Production Assistant

: Ashok Srivastava

: Kalyan Banerjee

: Gautam Ganguly

Naresh Yadav

: Mathew John

: Subodh Srivastava

Cover

Sarita Verma Mathur

Illustrations Sarita Verma Mathur Praveen Mishra

Anil Sharma

Cartography

Cartographic Designs Agency Praveen Mishra