

Class-X

India : Resources and Utilisation



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Ser NO	Course	Vacancies Per Course	Age	Qualification	Appln to be received by	Training Academy	Duration of Training
1.	NDA	300	16½ - 19 Yrs	10+2 for Army 10+2 (PCM) for AF, Navy	10 Nov & 10 Apr (by UPSC)	NDA Pune	3 Yrs + 1 yr at IMA
2.	10+2 (TES) Tech Entry Scheme	85	16½ - 19½ Yrs	10+2 (PCM) (aggregate 70% and above)	30 Jun & 31 Oct	IMA Dehradun	5 Yrs
3.	IMA(DE)	250	19 - 24 Yrs	Graduation	May & Oct (by UPSC)	IMA Dehradun	1½ Yrs
4.	SSC (NT) (Men)	175	19 - 25 Yrs	Graduation	May & Oct (by UPSC)	OTA Chennai	49 Weeks
5.	SSC (NT) (Women) (including Non- tech Specialists and JAG entry)	As notified	19 - 25 Yrs for Graduates 21-27 Yrs for Post 'Graduate/ Specialists/ JAG	Graduation/ Post Graduation /Degree with Diploma/ BA LLB	Feb/Mar & Jul/ Aug (by UPSC)	OTA Chennai	49 Weeks
6.	NCC (SPL) (Men)	50	19 - 25 Yrs	Graduate 50% marks & NCC 'C' Certificate (min B Grade)	Oct/ Nov & Apr/ May	OTA Chennai	49 Weeks
	NCC (SPL) (Women)	As notified					
7.	JAG (Men)	As notified	21 - 27 Yrs	Graduate with LLB/LLM with 55% marks	Apr / May	OTA Chennai	49 Weeks
8.	UES	60	19-25 Yrs (FY)18-24 Yrs (PFY)	BE/B Tech	31 Jul	IMA Dehradun	One Year
9.	TGC (Engineers)	As notified	20-27 Yrs	BE/ B Tech	Apr/ May & Oct/ Nov	IMA Dehradun	One Year
10.	TGC (AEC)	As notified	23-27 Yrs	MA/ M Sc. in 1 st or 2 nd Div	Apr/ May & Oct/ Nov	IMA Dehradun	One Year
11.	SSC (T) (Men)	50	20-27 Yrs	Engg Degree	Apr/ May & Oct/ Nov	OTA Chennai	49 Weeks
12.	SSC (T) (Women)	As notified	20-27 Yrs	Engg Degree	Feb/ Mar & Jul/ Aug	OTA Chennai	49 Weeks

Social Science

INDIA : RESOURCES & UTILISATION

Class - 10



(Developed by State Council of Educational Research & Training, Bihar)
Bihar State Textbook Publishing Corporation Ltd., Patna

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FORWARD

As per the decision of the Department of Human Resource Development, Government of Bihar, that in the first phase from April, 2009, in the state, new curriculum for class- IX has been implemented. In this connection, for the academic session 2010, curriculum of Books for the classes I, III, VI and X of all language and non-language had been implemented. In the light of this new curriculum, Books of Mathematics and Science for class X, developed by NCERT, New Delhi and all Books for the classes I, III, VI and X developed by SCERT, Bihar, Patna; The cover page and publication of all Books were designed and Published by Bihar State Textbook Publishing Corporation.

We are heartily indebted to honorable Chief Minister of Bihar, Sri Nitish Kumar; Minister for Education Sri Krishna Nandan Prasad Verma and Principal Secretary of the Department of Education Sri R. K. Mahajan for their direction.

We are obliged to NCERT, New Delhi and Director SCERT, Bihar, Patna for his support.

Bihar State Textbook Publishing Corporation will always welcome comments and suggestions from student, parent, teacher and academicians, so that it may be helpful in our endeavor to attain highest position for Bihar state in the educational arena of the country.

Arvind Kumar Verma, I.A.S.
Managing Director
Bihar State Textbook Publishing Corporation

PREFACE

The present book "India: Resources and Utilisation (Bharat : sansadhan Ebam Upyog)" for class-X, has been developed on basis Government of India's National Education Policy (1986), Outline of National syllabus 2005 and by principles of N.C.F. -2005 of State Council for Education Research and Training, Bihar; on the basis of Philosophy and Academician's point of view specially keeping reference to the rural areas, outline of Bihar Syllabus -2008 and on the basis of new syllabus with the help of collection of teachers of the Bihar state in the phase wise conducted workshops, from time to time with the help of subject expert and academicians. The objective and focus of the syllabus is to find the working of the food materials, the biotic world, moving objects, people and their thoughts, how the material works, natural events and main hypothesis of natural resources has been reflected and included in the chapters of the course book, so that the young students may attain all round development or concentration has been focused on the physical, mental, character and exercise abilities. Effort has been made, that the students should learn by self constructive efforts and develop investigative motives and to learn by cohesive tendencies, to make the children responsible citizen, so that they work for the country's secularism, integrity and prosperity and fulfill the provisions of the constitution, it has been kept in mind during the school education in the curriculum and course book. All the chapters of the course book are very interesting. Effort has been made to ensure that the given subject matter in the book is based on the daily experiences of the students. In some chapters effort has been made to unveil the mysteries of the science through stories which in itself is a new concept. At some places there are referential questions which develops scientific concept in the children and make them curious to reach close to the truth.

Through the course book attempt has been made to establish compressive academic grasping process between students and teacher, so that the academic understanding becomes centripetal and not a burden or in other words easy and joyful, therefore in the subject matter of all the chapters of the course book, at places, assignment or activities and practical has been assigned. Most of the activities of the course book can be done

without the help of the materials or with the help of low cost materials. The more the teaching is based on activities, it will activate the children and it will be enjoyable to them and they will achieve more proficiency in their skill. The role of the teacher is very important in these activities. At the end of the every chapter collection of new words, important words, sufficient number of questions has been given and also in most of the chapters project work has been assigned, so that the achievement of each student can be assessed.

Before the preparation of the manuscript of the present course book, State Council for Education Research and Training, Patna organised a workshop of department officers, subject experts, language experts and teachers of middle school level. After extensive consultations the manuscript of the book was prepared. Along with the books published by National Council for Education Research and Training, Bihar State Textbook Publishing Corporation, books of other publications and other reference materials proved very useful in the development of this book. This book has been developed in the direction of **Sri R. K. Mahajan**, Principal Secretary of the Department of Education, Government of Bihar.

Dr. Rajendra Prasad Mandal, Lecturer, SCERT, Bihar, Patna played an important role in the development of this book as Convener (Samanvayak). We are also obliged to Dr. VNP Sinha and Shambhunath Tiwari who spared their valuable time and evaluated the manuscript. Sri Ram Tavkya Tiwari, Head of the Department and Sri Vijay Kumar, Junior Clerk (Aashulipik) has also contributed appreciably in the development of the manuscript.

It is expected that this course book of social science will prove to be useful, enjoyable and to the liking of the students. The council welcome constructive criticism and suggestions for this book which was prepared in a very short time. The council will remain alert and sensitive towards received suggestions and will pay particular attention on necessary corrections (Parimarjan) in the next edition.

Director

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OUR CONSTITUTION

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 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.**

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