

As per the
Council For The Indian School
Certificate Examinations
New Delhi

CATALOGUE 2023

Classes 9 to 12



GOYAL BROTHERS PRAKASHAN



Title	Classes	Pages
For Classes 9 and 10		
I.C.S.E. English Language Skills	9 and 10	6
I.C.S.E. English Conversation Skills	9 and 10	8
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I.C.S.E. History & Civics Project Manual	10	18
A Textbook of I.C.S.E. Geography	9 and 10	20
I.C.S.E. Geography Workbook	9 and 10	22

Title	Classes	Pages
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I.C.S.E. Geography Project Manual	10	26
A New Approach to I.C.S.E. Physics	9 and 10	28
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Goyal's I.C.S.E. Physics Lab Manual	9 and 10	32
A New Approach to I.C.S.E. Chemistry	9 and 10	34
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A Textbook of Robotics & Artificial Intelligence	9	60
I.C.S.E. Environmental Science	9 and 10	62



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I.S.C. Environmental Science	11 and 12	76

• **Indu Lekha Wanchoo**

The books **I.C.S.E. English Language Skills** for **classes 9 and 10** are written according to the latest syllabus prescribed by the Council for the Indian School Certificate Examinations. These books have the latest questioning pattern followed by the Council.

Our booklet is a complete help in acquiring skills in both Listening and Speaking. These books contain **Solved Sample Papers** sent by the Council to schools, based on both the skills, beside five unsolved assignments on each section.

The books are divided into seven sections. They are :

- Section One** : Composition
- Section Two** : Letters
- Section Three** : Notices and E-mails
- Section Four** : Comprehension
- Section Five** : Grammar
- Section Six** : Sample Papers
- Section Seven** : Listening and Speaking Skills

For Class 9

I.C.S.E.

English

Language Skills

Study Material and Practice Assignments

- ▶ Covers the latest I.C.S.E. syllabus in English Language Comprehensively.
- ▶ Provides Study and Practice material on each section of the English Language paper.
- ▶ Provides **Sample** and **Practice material** for every kind of **Composition**.
- ▶ **Step-by-step instructions** given in **tackling Comprehension Questions**.
- ▶ Includes **rules for every unit of Grammar** in the syllabus, with **ample Practice Material** for each unit.
- ▶ Provides **Sample Papers** for further practice.
- ▶ Includes **Rules, Sample** and **Practice Assignments** in **Listening and Speaking Skills**.



GOYAL BROTHERS PRAKASHAN

For
Class
10

Study
Material
and Practice
Assignments

ICSE

English

Language Skills

This book includes seven separate booklets on :

- ♦ COMPOSITION
- ♦ NOTICE AND EMAIL
- ♦ GRAMMAR
- ♦ SAMPLE PAPERS
- ♦ LETTERS
- ♦ COMPREHENSION
- ♦ LISTENING AND SPEAKING



GOYAL BROTHERS PRAKASHAN



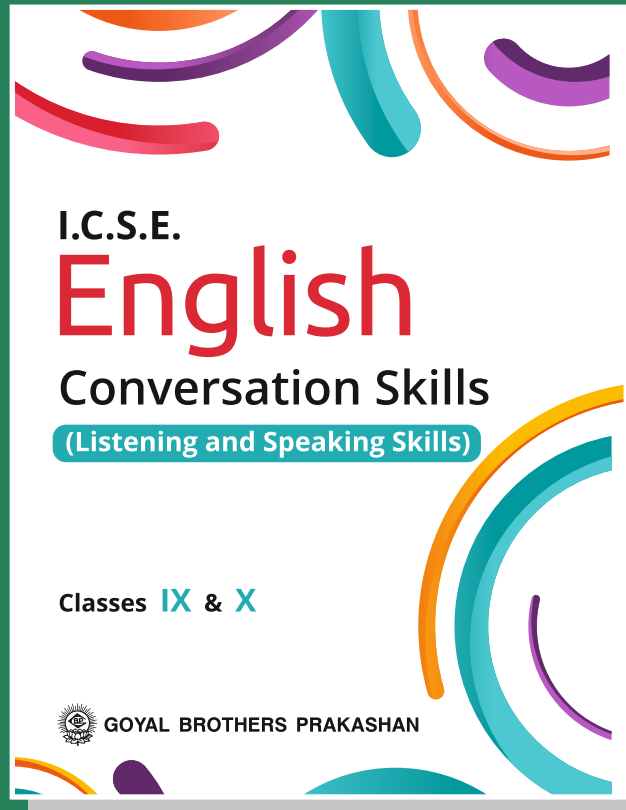
₹ 575

• **Indu Lekha Wanchoo**

The book **I.C.S.E. English Conversation Skills** for **classes 9 and 10** is designed to prepare the students thoroughly in any task they will have to face in Conversation Skills – Listening & Speaking. The book provides more than sufficient drills and practice to the students to boost their confidence and enable them to participate successfully in the examination. The students will find the book to be a great help in developing their conversation skills, equipping them to face any challenge set for them in the exams.

Salient features of the book are :

- ✦ Strictly based on **I.C.S.E. syllabi & examination** pattern.
- ✦ The process to tackle both listening and speaking tasks is explained in **simple lucid language**.
- ✦ **Step-by-step instructions** are given. Procedure for testing in both skills explained thoroughly.
- ✦ **Solved examples** of every kind are given under both skills.
- ✦ All **variety of tasks** under both the skills are included in the book.
- ✦ The book is accompanied with the **QR Codes** for tasks in Listening Skills.
- ✦ The great variety of **stimulating practice** makes this a powerful and effective practice book.



- डॉ. डी.वी. सिंह

I.C.S.E. Hindi Language Links (कक्षा-9 तथा 10 के लिए) पुस्तक की रचना का प्रमुख उद्देश्य छात्रों की परीक्षा संबंधी विभिन्न समस्याओं को हल करना है। इसमें पाठ्य सामग्री एवं उनके अंक-विभाजन से लेकर प्रश्न पत्रों के प्रारूप तक की अनेक उदाहरणों के साथ पर्याप्त जानकारी दी गई है; तथा स्वयं करने के लिए प्रचुर अभ्यास-कार्य दिए गए हैं ताकि परीक्षार्थी सर्वतोरूपेण लाभान्वित हो सकें।

इस पुस्तक की प्रमुख विशेषताएँ हैं-

- ✦ भाषा (Language) खंड के अंतर्गत आने वाले विषय - रचना, पत्र-लेखन, बोधपरक तथा व्याकरण की सम्यक् जानकारी और इनसे संबंधित क्रियात्मक अभ्यास-कार्य।
- ✦ प्रत्येक खंड की अलग-अलग पुस्तिकाएँ।
- ✦ प्रत्येक खंड पर आधारित अभ्यास-कार्य हेतु प्रचुर अवसर।
- ✦ अभ्यास-कार्यों में लेखन-स्थान की यथोचित एवं पर्याप्त उपलब्धता।
- ✦ परीक्षा की तैयारी की दृष्टि से छात्रों की सुविधा के लिए अनुपम प्रयास।

I.C.S.E.
Hindi
Language Links

For Classes IX & X

पाठ्य सामग्री और अभ्यास-कार्य

एक पुस्तक की जोड़ियाँ हैं

- Composition (रचना)
- Letter Writing (पत्र-लेखन)
- Comprehension (बोधपरक)
- Grammar (व्याकरण)
- Model Test Papers (आदर्श प्रश्न-पत्र)

गोयल ब्रदर्स प्रकाशन

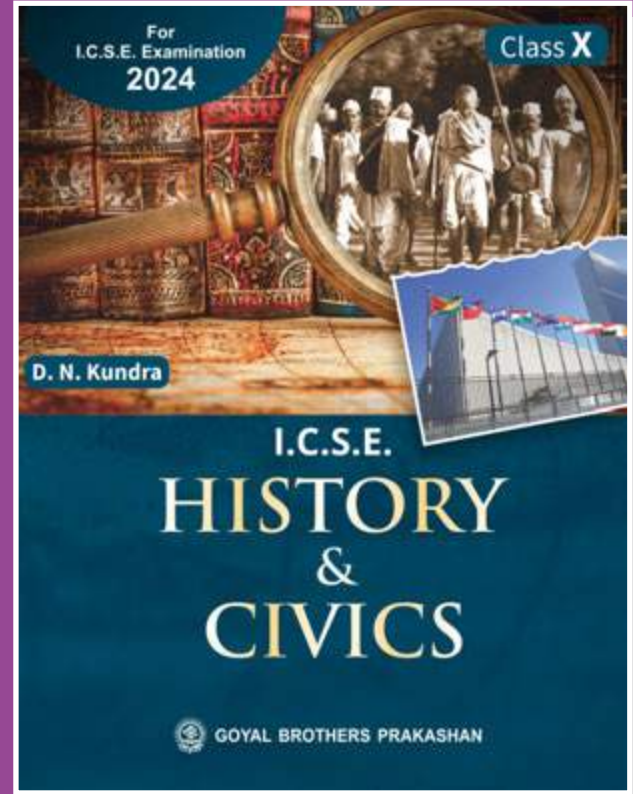
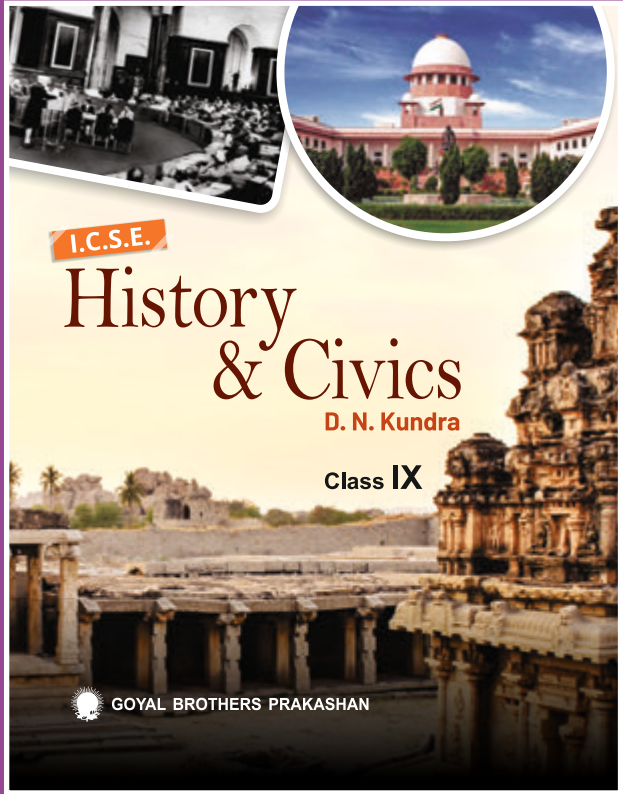


• **D. N. Kundra**

The books entitled **I.C.S.E. History & Civics** for **classes 9 and 10** are revised edition based on the latest syllabus prescribed by the **Council for the Indian School Certificate Examinations** for the students appearing in the I.C.S.E. examinations.

Salient features of these books are :

- ✦ **Syllabus** and **Main Topics for Study** at the beginning of each chapter prepare the students for what they will learn in the chapter.
- ✦ **Lesson At a Glance** at the end of every chapter helps the students in a quick recapitulation of the lesson.
- ✦ The subject matter has been made vivid and interesting by providing latest **illustrations, maps, pictures, dates** and **facts**.
- ✦ A **lucid narrative style, famous quotations** from the books and **speeches of important historical personalities** add to perspective and understanding of the students.
- ✦ Multiple Choice Questions, Picture based Questions, Case-Study based Questions, Assertion-Reasoning based Questions, Short Answer Questions and Structured Essay Type Questions have been added at the end of each chapter.



• **Padmini Krishnan**

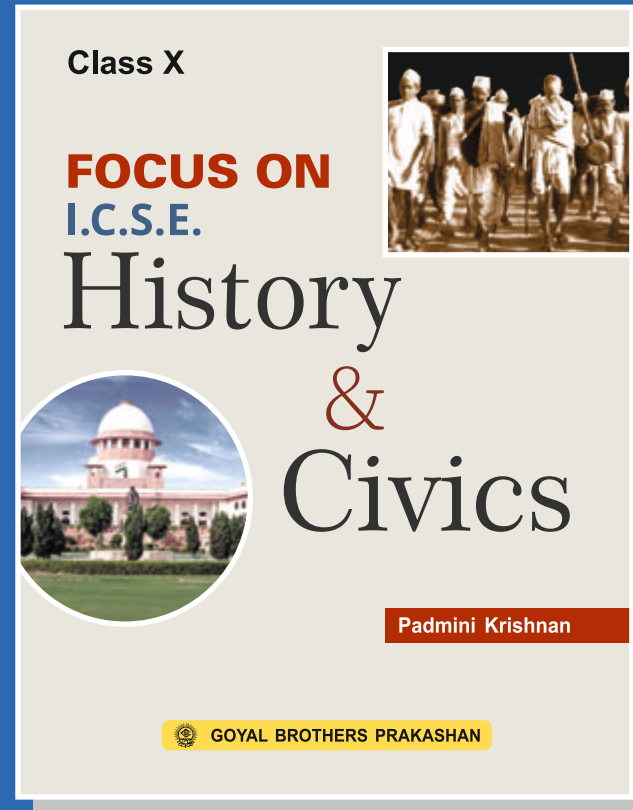
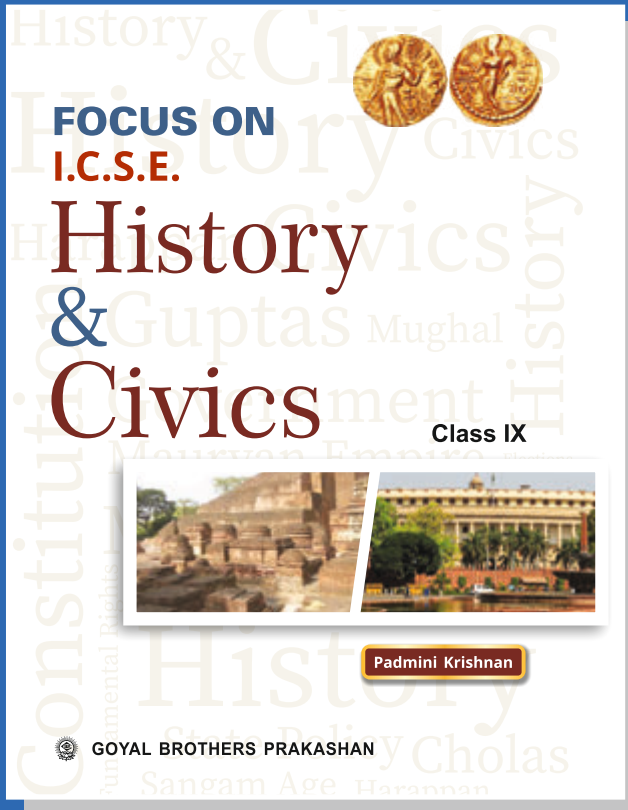
The essential components of Social Science — History and Civics, gives us a glimpse and encourages the inherent curiosity of a young people. It helps young people to develop civic competence, with the ability to make informed decisions for the public good.

The books **FOCUS ON I.C.S.E. HISTORY & CIVICS** for **classes 9 and 10** have been written according to the new syllabus prescribed for History and Civics by the **Council for the Indian School Certificate Examinations**.

The two volumes are narrative as well as critical and extensively cover all the topics for the Board Examinations. The source materials have been highlighted in the boxes given before the start of each topic in the text.

Salient features of these books are :

- ✦ **Lessons at a Glance** for quick recapitulation.
- ✦ **Fact files** for cross-referencing to establish relationships between events of different countries.
- ✦ **Exercises** based on two major types of questions – **Short Answer Questions** and **Structured Questions** to test the student's understanding, comprehension and interpretation of the topic.
- ✦ **Maps and pictures**, are given which serves as visual aids.



• Mrs. Indu Lekha Wanchoo

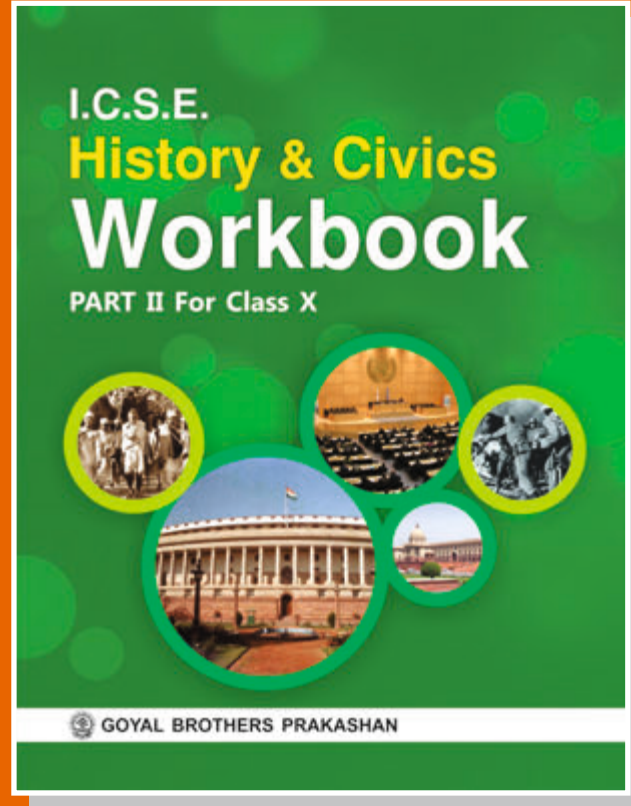
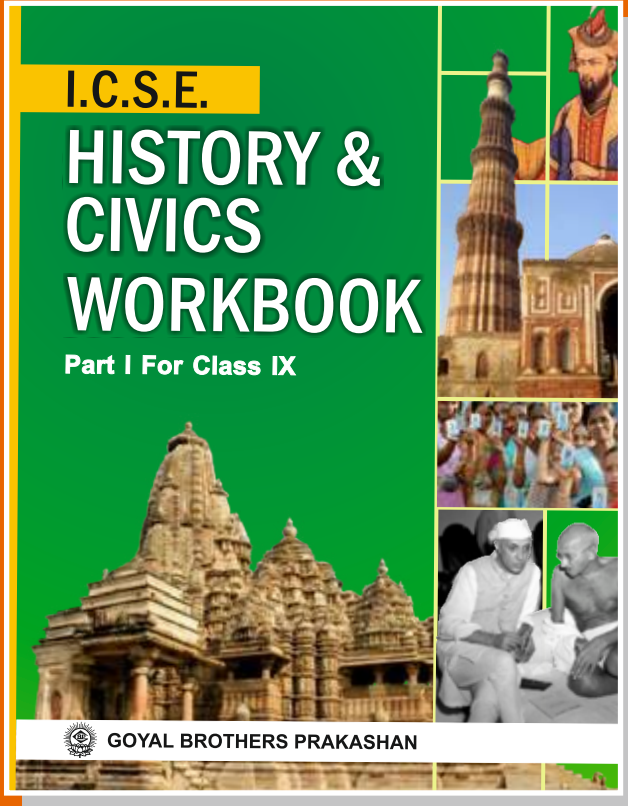
The workbooks on **I.C.S.E. History & Civics – Part I and Part II** for **classes 9 and 10**, respectively, have been written strictly in accordance with the latest syllabus prescribed by the **Council for the Indian School Certificate Examination**.

These books have been divided into two sections. **Section A deals with Civics and Section B deals with History**.

Special care has been taken in framing the questions which are based on the pattern of the specimen paper of the Council. This is done to prepare the students thoroughly for such examinations and to secure good marks.

Salient features of these books are :

- ✦ The questions have been framed on the basis of the pattern of the specimen paper of the council.
- ✦ The questions in each lesson have been divided into two parts. Part I contains **short-answer questions**. Part II contains **structured Essay-type questions**.
- ✦ Questions are wide and varied covering the **detailed content** of each lesson.
- ✦ Sufficient writing space has been given to enable students to gain necessary confidence in writing answers.
- ✦ The **Model Test Paper** has also been provided to boost the confidence of students.



• **D. N. Kundra**

The book **I.C.S.E. History & Civics Project Manual** is strictly in accordance with the latest syllabus prescribed by the **Council for Indian School Certificate Examinations** for **class 10**. It aims at enriching the understanding of those aspects of Indian historical developments which are crucial to the understanding of contemporary India. In Civics, the aim is to provide an understanding of the working of Indian government and international agencies so that the students grow into responsible and enlightened citizens of a secular democracy.

The present book is intended to help the students in doing their chosen assignments in a manner that would earn for them maximum credit which is going to be reflected on the mark sheets to be provided by the Council.

Salient features of the book are :

- ✦ Explains clearly what a **project / case study** is and how to perform it in a planned manner, taking due precautions.
- ✦ **Various methodologies** like collages, photographs, graphs, pie-charts, newspaper cuttings, etc., have been used to explain the topics.
- ✦ **Outlines** of rest of the projects mentioned in the syllabi have been given. They contain **detailed guidelines** on how to perform the project. Ample blank sheets have also been provided for the students to write their projects.

I.C.S.E.
History & Civics
Project Manual

For Class X



GOYAL BROTHERS PRAKASHAN

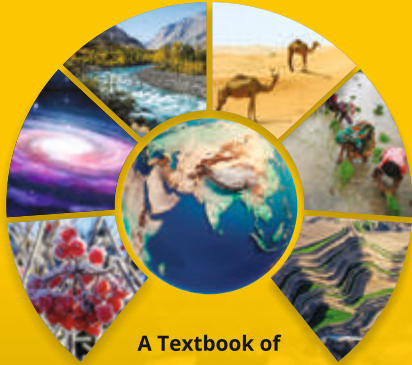
• **Veena Bhargava**

A Textbook of I.C.S.E. Geography for classes 9 and 10 has been revised and updated in strict conformity with the latest syllabus prescribed by the **Council for the Indian School Certificate Examinations**.

Salient features of these books are :

- ✦ Systematic coverage of the course content and arrangement of topics is strictly as per the guidelines followed by the **latest syllabus**.
- ✦ The text is supplemented with **illustrations, tables, maps, statistical data, diagrams** and **photographs**.
- ✦ **Map Section** comprising **solved maps** for the compulsory question in the Examination on “Map of India”.
- ✦ **A Sample Project** with outline (carrying 20 marks in the Board Examination).
- ✦ **Guidelines** for interpretation of ordnance survey maps and **Map Pointing**.
- ✦ **Self Study Question Bank**, based on **I.C.S.E. Board Examination Questions (solved)** at the end of each chapter.
- ✦ **A Practice Map** of ‘**Outline Map of India**’ has been given at the end of each chapter.
- ✦ **Key Points, Reasoning based Questions** and **MCQ’s**, and **Recap** have been incorporated.
- ✦ **Specimen Question Paper** (Solved) for I.C.S.E. 2023 Examination.

Class IX



A Textbook of
I.C.S.E.

GEOGRAPHY

Veena Bhargava

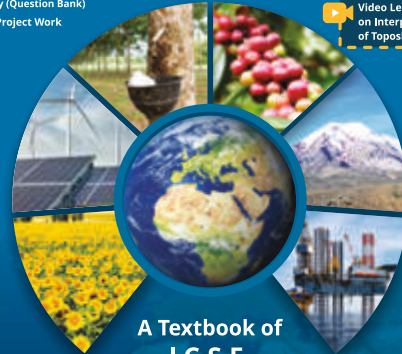


GOYAL BROTHERS PRAKASHAN

- Includes Topographical Survey Sheets
• G43S7 • G43S10
- Chapter-wise Multiple Choice Questions
- Self Study (Question Bank)
- Sample Project Work

For
I.C.S.E. Examination
2024

▶ Video Lectures
on Interpretation
of Toposheets



A Textbook of
I.C.S.E.

GEOGRAPHY

Class X

Veena Bhargava



GOYAL BROTHERS PRAKASHAN

• **Manju Goel**

The I.C.S.E. Geography Workbook for classes 9 and 10 has been prepared to act as a comprehensive companion to the textbook which complies with the norms set by the **Council for the Indian School Certificate Examinations**. The workbooks strictly conform to the latest Syllabus prescribed by the Council. These workbooks aim to provide ample practice to the students for recapitulating the content of the textbooks.

Salient features of these books are :

- ✦ Enough number and variety of questions covering all the sub-topics in the chapters of the textbook.
- ✦ **Comprehensive chapter-wise Questions** arranged in logical manner.
- ✦ **Short and Long Answer Questions** in strict accordance with the Examinations.
- ✦ **Contour Map** section included 4 Survey of India Toposheet based exercises that cover all possible aspects through questions based on each toposheet.
- ✦ Ample map practice based on map of India in strict accordance with the Examination.

I.C.S.E. GEOGRAPHY WORKBOOK

Part I For Class IX



GOYAL BROTHERS PRAKASHAN



I.C.S.E.

GEOGRAPHY WORKBOOK

Part II For Class X



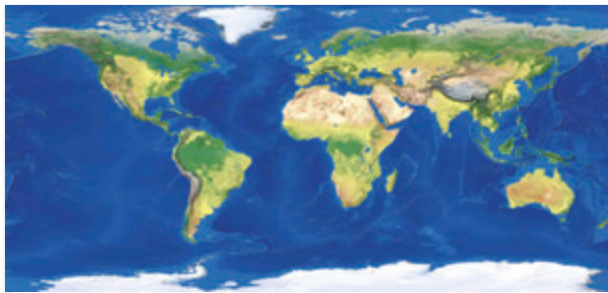
GOYAL BROTHERS PRAKASHAN

• Dr. Sanjeev Padvi • Manju Goel

The books, **I.C.S.E. Geography Map Practice Book** for **classes 9 and 10** have been especially designed to comply with the norms set by the **Council for the Indian School Certificate Examinations**. These books strictly conform to the latest syllabus prescribed by the Council.

Salient features of these books are :

- ✦ They provide complete **guidance in interpreting the topographical survey sheets** – A compulsory question (carrying 20 marks in the Board Examinations).
- ✦ **18 Comprehensive Assignments** are given on two survey sheets, i.e., G43S7 and G43S10 (dividing each sheet into 9 parts) for self practice.
- ✦ **Practice Maps (carrying 10 marks in the Board Examination) of 'Outline Map of India'** have been given for self-practice, covering all the aspects of syllabus as per examination requirements.



A Complete Course in

I.C.S.E.

GEOGRAPHY

Map Practice Book

Class IX

Guidelines about how various physical features are marked on the map

Comprehensive 14 Study Maps on different Physical Features to understand how each feature is shown on the map

14 Practice Maps on each physical feature as per the syllabus

27 Test Papers as per the latest examination pattern for practice



GOYAL BROTHERS PRAKASHAN

QR code with each Practice/Test Paper to provide the solution so that students may verify their answers



I.C.S.E.

GEOGRAPHY

Map Practice Book

Class X

- ▶ Guidelines to read and understand the Toposheets
- ▶ 9 Practice Assignments on each Topographical sheet to cover every part of sheet
- ▶ Comprehensive question bank on each assignment to cover all types of questions which may be asked in the examination
- ▶ Guidelines about various features to be marked on the map of India
- ▶ Practice Assignments on each physical feature of India as per syllabus

QR code with each assignment to provide the solution of the assignment so that students may verify their answers



GOYAL BROTHERS PRAKASHAN

• **D. N. Kundra**

The book entitled **I.C.S.E. Geography Project Manual** for **class 10** is one of its kind. It is a book containing Projects and Project Outlines. It strictly conforms to the latest syllabus for Internal Assessment of Geography prescribed by the **Council for the Indian School Certificate Examination**.

It contains **two projects** and **six project outlines**. It also contains ample blank sheets for the students to do their project work.

There are two ways in which the book can be used. You can use the projects as given in the book with minor modifications. Or, you can use these projects as the foundation only, incorporating your own additional ideas into your project/case study.

Salient features of the book are :

- ✦ Strictly follows the I.C.S.E. Syllabus.
- ✦ The layout is **student-friendly**.
- ✦ Language used in projects is **simple and easy** to understand.
- ✦ **Pictures, graphs, maps**, etc., make the process of learning enjoyable.

I.C.S.E.
Geography
Project Manual

For Class X



GOYAL BROTHERS PRAKASHAN

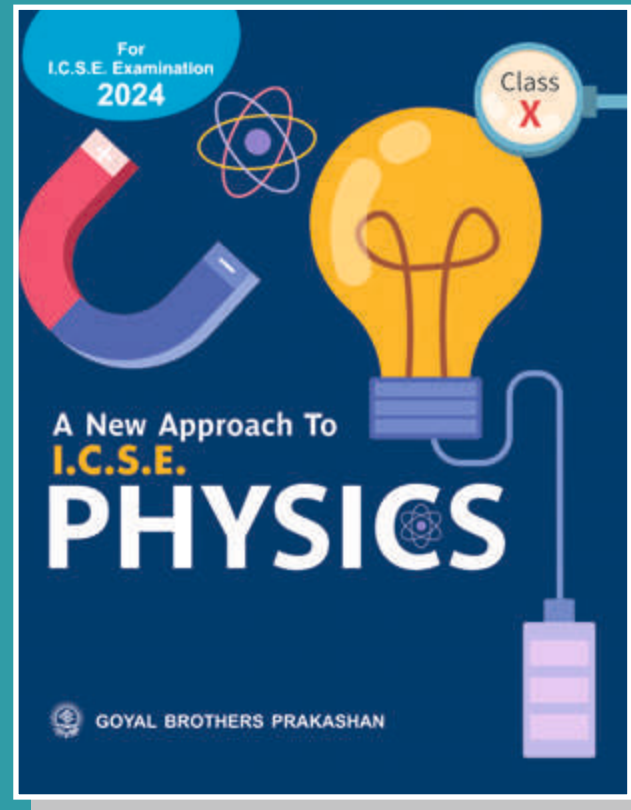
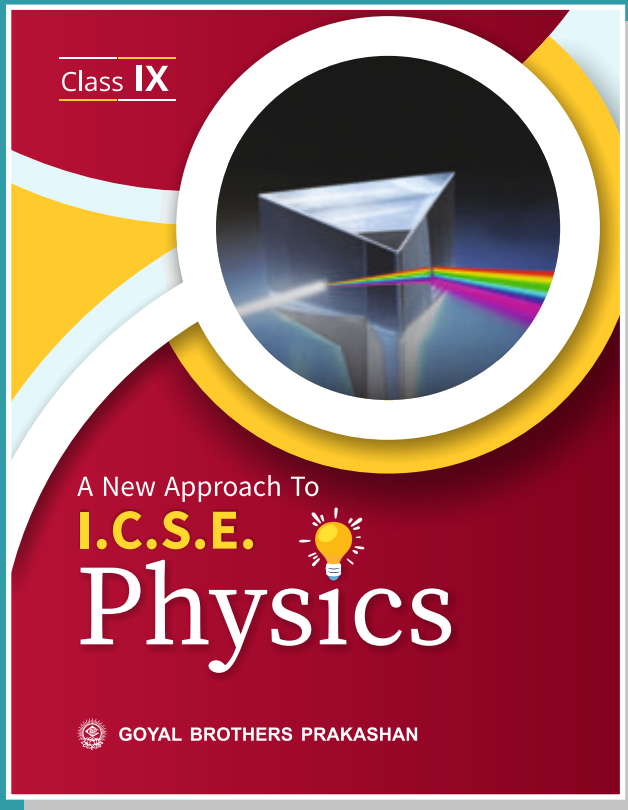
• R. N. Das Gupta • V. K. Sally

A New Approach to I.C.S.E. Physics for **classes 9 and 10** has been revised in accordance with the latest syllabus prescribed by the **Council for Indian School Certificate Examination**.

The main strength of these books lies in the scientific content and rearrangement of the prescribed syllabus, such that the topics are linked to each other and do not cause any unnecessary stress on the mind of students.

Salient features of these books are :

- ✦ Written in new format with **figures, examples** and **definitions** highlighted.
- ✦ Topic-wise **Video lectures** are given as a support for effective learning.
- ✦ At the end of each chapter, there are enough solved **numerical problems**.
- ✦ Most of the **numerical problems** are of contemporary interest and are in SI units. The motive has been to evaluate the application of principles rather than to test the mathematical skill of students.
- ✦ The **latest solved ICSE Specimen Question Paper** has been given.
- ✦ **QR Codes** given at the end of each chapter to get the solution of chapter-wise **past years' ICSE Board Examination Questions**.



• V. K. Sally

I.C.S.E. Physics Workbook for **classes 9 and 10** has been thoroughly revised and upgraded to cater to the needs of students preparing for **I.C.S.E. examination**.

The main strength of these books lies in the scientific content and rearrangement of the prescribed syllabus, such that the topics are linked to each other and do not cause any unnecessary stress on the mind of students.

Emphasis has been laid upon mastering the fundamental principles of Physics, rather than specific procedures and on selecting the areas of contemporary interest rather than of past interest. The main strength of the books lies in the subject matter and the experience that a student will get in solving difficult and complex problems of Physics.

Salient features of these books are :

- ✦ All questions have been modeled on the I.C.S.E. question papers of the **last ten years**.
- ✦ The **questions are graded** according to the subject matter in the textbook, so that students do not encounter any difficulty in answering them.
- ✦ Adequate number of **numerical problems** have been given.
- ✦ Students are advised to study the given topic thoroughly from their textbooks before attempting the workbooks.

I.C.S.E.

PHYSICS WORKBOOK

Part I For Class IX

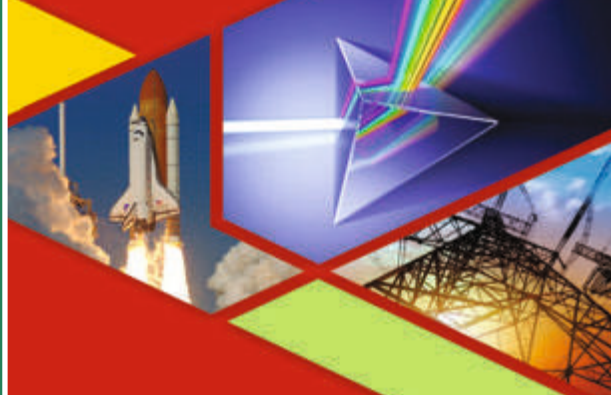


GOYAL BROTHERS PRAKASHAN

I.C.S.E.

PHYSICS WORKBOOK

PART II FOR CLASS 10



GOYAL BROTHERS PRAKASHAN

• V. K. Sally

The revised edition of **Goyal's I.C.S.E. Physics Lab Manual** for **classes 9 and 10** is strictly in accordance with the latest syllabus prescribed by the **Council for the Indian School Certificate Examinations**.

Salient features of these books are :

- ✦ Each experiment starts with **Objective**, followed by **Apparatus required, Diagram, Procedure, Observations, Calculations** and **Precautions**. This will help students to write the experimental details in their practical notebooks in proper order.
- ✦ Diagrams are given, so that students can easily draw them in their practical notebooks.
- ✦ **Detailed tables** are given for recording observations.
- ✦ **Viva-voce** about each experiment is given.
- ✦ **Sample Observations** and **Calculations** are given for all experiments, so that students can make out, how to proceed with their own observations and calculations.

Goyal's
I.C.S.E.

PHYSICS

Lab Manual

For Class IX



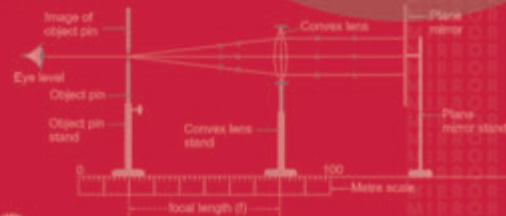
GOYAL BROTHERS PRAKASHAN

Goyal's
I.C.S.E.

PHYSICS

Lab Manual

For Class X



GOYAL BROTHERS PRAKASHAN

• V. K. Sally

A New Approach to I.C.S.E. Chemistry for **classes 9 and 10** has been revised in accordance with the latest syllabus of Chemistry prescribed by the **Council for Indian School Certificate Examinations**.

Salient features of these books are :

- ✦ **A large number of chemical reactions** are described along with **experimental observations**.
- ✦ **Full-sized diagrams** are given.
- ✦ Topic-wise **Video lectures** as a support for effective learning.
- ✦ **Periodic table as well as charts** showing various elements have been given.
- ✦ A chapter on **Practical Chemistry** has been given to help students in their laboratory work.
- ✦ **Well designed exercises** are provided to assess the conceptual, reasoning skill and application-based learning as per the latest recommendations of I.C.S.E. board.
- ✦ At the end of each chapter, there are **solved numerical problems**.
- ✦ The **latest solved I.C.S.E. Specimen Question Paper** has been given.
- ✦ **QR Codes** given at the end of each chapter to get the solution of chapter-wise **past years' I.C.S.E. Board Examination Questions**.



Class IX

A New Approach to

I.C.S.E.

Chemistry



GOYAL BROTHERS PRAKASHAN

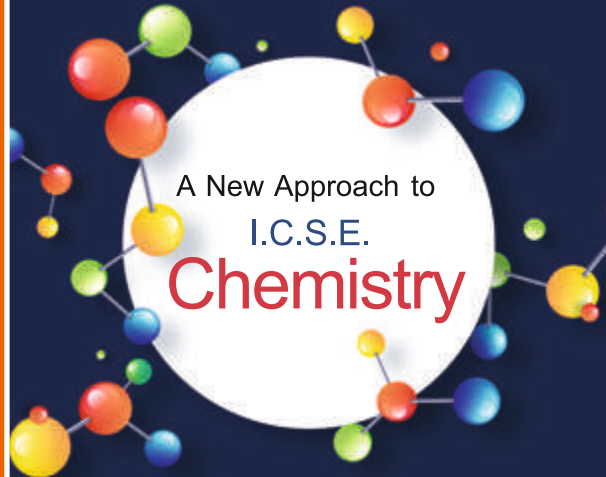
For
I.C.S.E. Examination
2024

Class X

A New Approach to

I.C.S.E.

Chemistry



GOYAL BROTHERS PRAKASHAN

• V. K. Sally • D. Chauhan

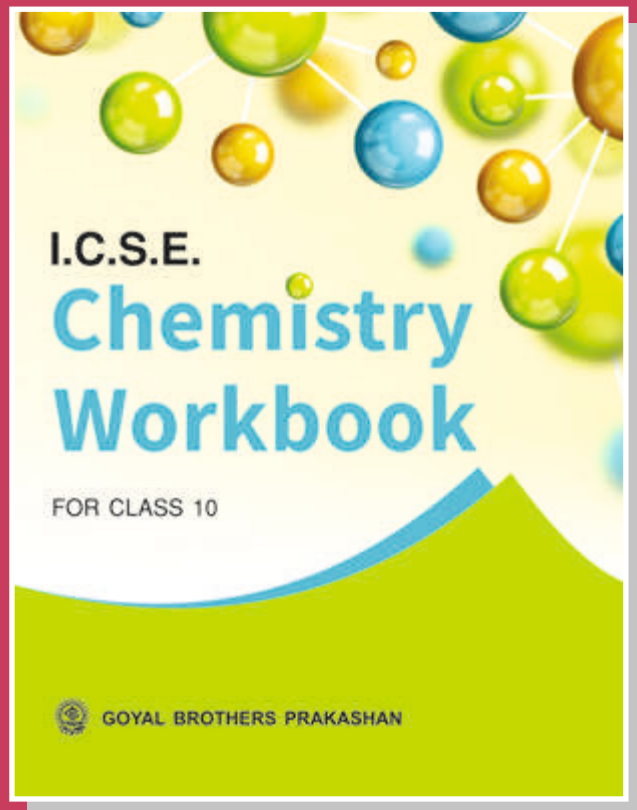
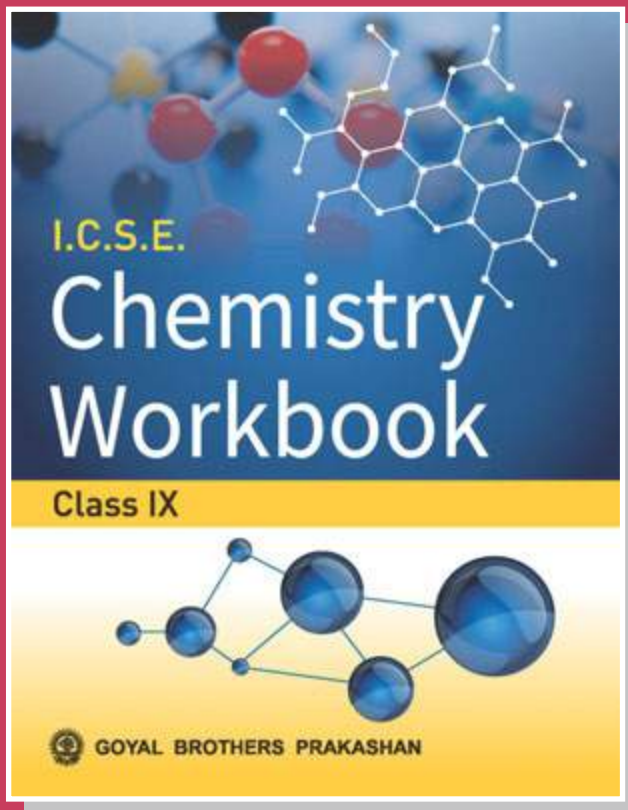
I.C.S.E. Chemistry Workbook for **classes 9 and 10** have been thoroughly revised and upgraded to cater the needs of students preparing for I.C.S.E. examination.

The main strength of the books lies in the subject matter and the experience that a student will gain in solving difficult and complex problems of Chemistry. Stress has been laid upon mastering the fundamental principles of Chemistry. These books would help the students to revise most important questions before examinations.

In these workbooks, a large number of questions based on I.C.S.E. Examination pattern have been given so that the students knows the level of difficulty asked in the final examinations.

Salient features of these books are :

- ✦ **A large number of chemical reactions** are described along with **experimental observations**.
- ✦ The **questions are graded** according to the subject matter in the textbook, so that students do not have any difficulty in answering them.
- ✦ Adequate number of numerical problems have been given.

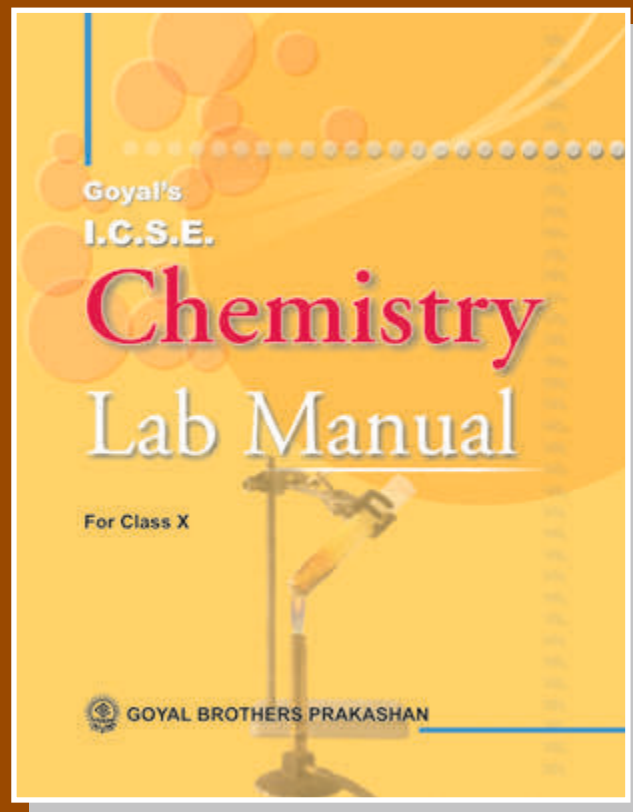
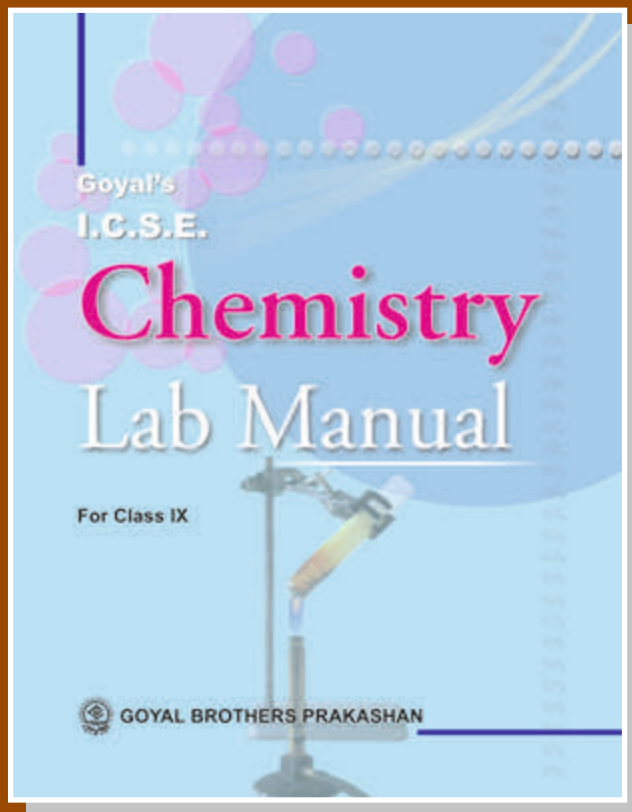


• V. K. Sally

The revised edition of **Goyal's I.C.S.E. Chemistry Lab Manual** for **classes 9 and 10** is strictly in accordance with the latest syllabus prescribed by the **Council for the Indian School Certificate Examinations**.

Salient features of these books are :

- ✦ These books have been divided into several themes.
- ✦ Experiments in each theme start with **Aim** of the experiment, **Apparatus** required, **Chemicals** required, **Procedure** and **Precaution**. This will help students to write the experimental details in their practical notebooks in proper order.
- ✦ **Diagrams** are given to make the text easily understandable.
- ✦ **Observation tables** are given.
- ✦ **Viva-Voce** based on each theme is given.

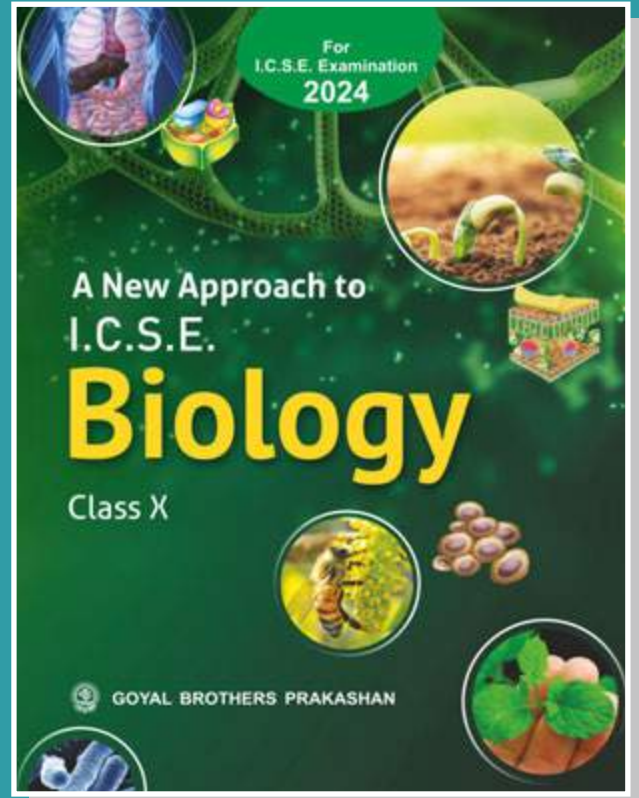
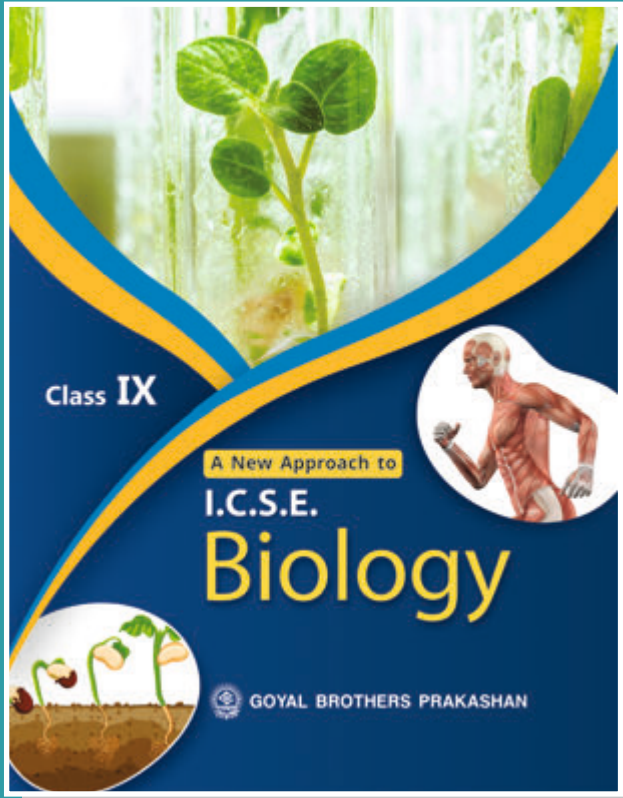


• **Dr. S. K. Aggarwal**

A New Approach to I.C.S.E. Biology for **classes 9 and 10** has been revised in accordance with the latest syllabus of biology prescribed by the **Council for Indian School Certificate Examinations**.

Salient features of these books are :

- ✘ Written in **very simple, easy-to-understand language** and in a pointwise sequential manner.
- ✘ Text is written in a comprehensive style with **well-illustrated, multi-coloured, properly labeled diagrams**.
- ✘ **Investigations (Experiments or Activities)** related to the topics in each chapter have been given to cement the conceptual understanding.
- ✘ **Important points** including **important biological terms** have been given at the end of each chapter.
- ✘ Comprehensive **in-text self-check questions** have been given to check the progress of the students and their retention capacity.
- ✘ Exercises also include questions based on **past years' Board Examination Papers**.
- ✘ Quick revision **Mind Maps** containing the gist of all the chapters have been given.
- ✘ The latest **I.C.S.E. Specimen Question Paper (Solved)** has been given.



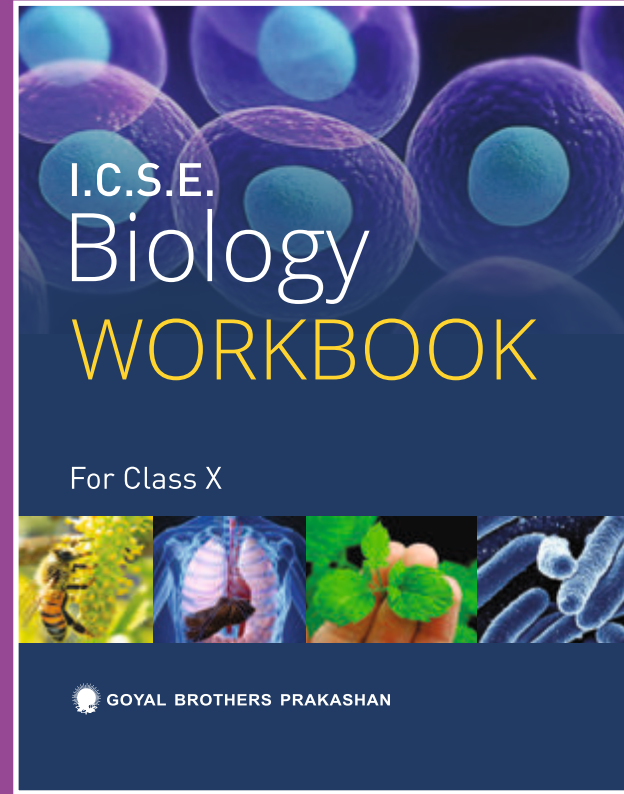
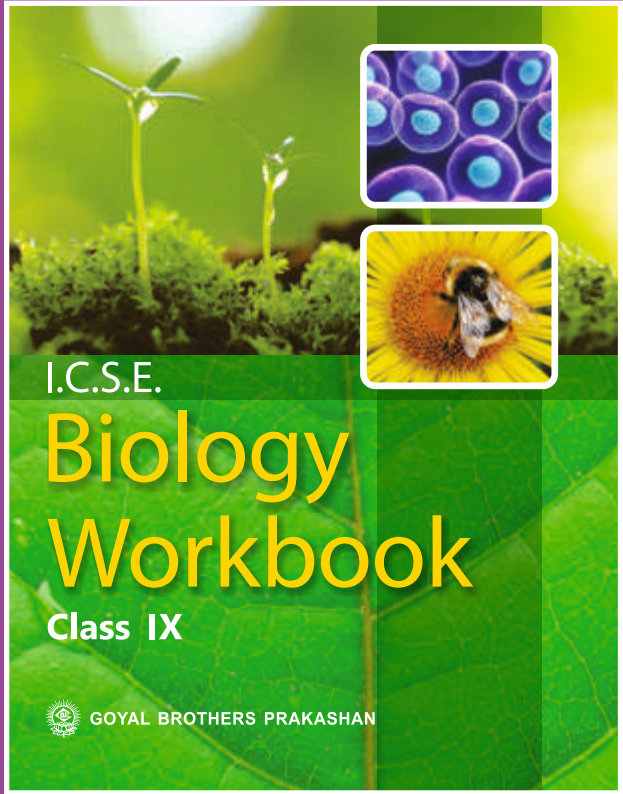
• Dr. K. K. Aggarwal

The **I.C.S.E. Biology Workbook** for **classes 9 and 10** has been written in accordance with the latest syllabus prescribed by the **Council of Indian School Certificate Examinations**.

The aim of these workbooks is to cultivate in students a regular habit of recapitulating the lesson taught in the class and to express it through answering the questions in a systematic way. These workbooks also tests as to how much the students have really imbibed from their text lessons.

Salient features of these books are :

- ✦ A wide variety of questions added to provide comprehensive and exhaustive practice.
- ✦ Exercise like **Name the following, True or False, Complete the Statements, Objective and subjective questions** help to reveal the various chapters in detail and from various view points.
- ✦ **Diagram based questions** helps the students to understand the various concepts with ease.
- ✦ Ample writing space has been provided for answering the questions.
- ✦ **5 Unsolved Model Test Papers** for practice have been given.

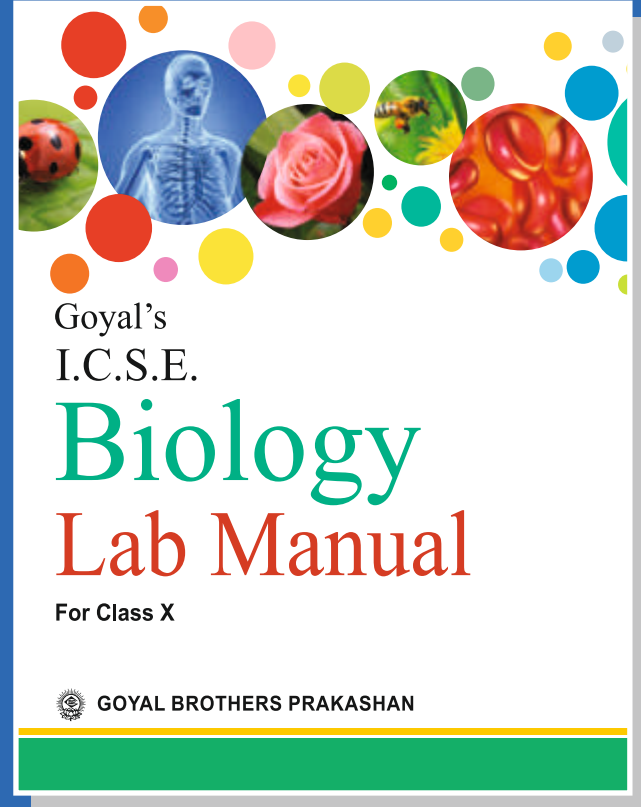
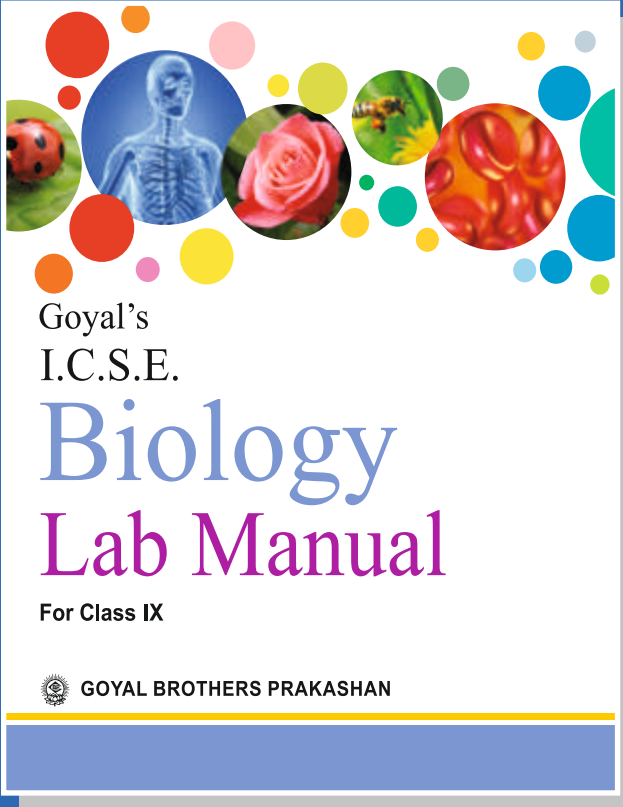


• **Chhaya Srivastava**

The revised edition of **Goyal's I.C.S.E. Biology Lab Manual** for **classes 9 and 10** is strictly in accordance with the latest syllabus prescribed by the **Council for Indian School Certificate Examination**. These books will help to train the learners in the scientific way.

Salient features of these books are :

- ✦ **Brief description** of basic laboratory instruments is given.
- ✦ In each experiment, **Objective, Requirements, Procedure, Observation, Comment** and **Precautions** are described effectively.
- ✦ **Well-labelled diagrams** are given, wherever required, to understand the concept effectively.
- ✦ **Viva-Voce** based on each experiment is given.

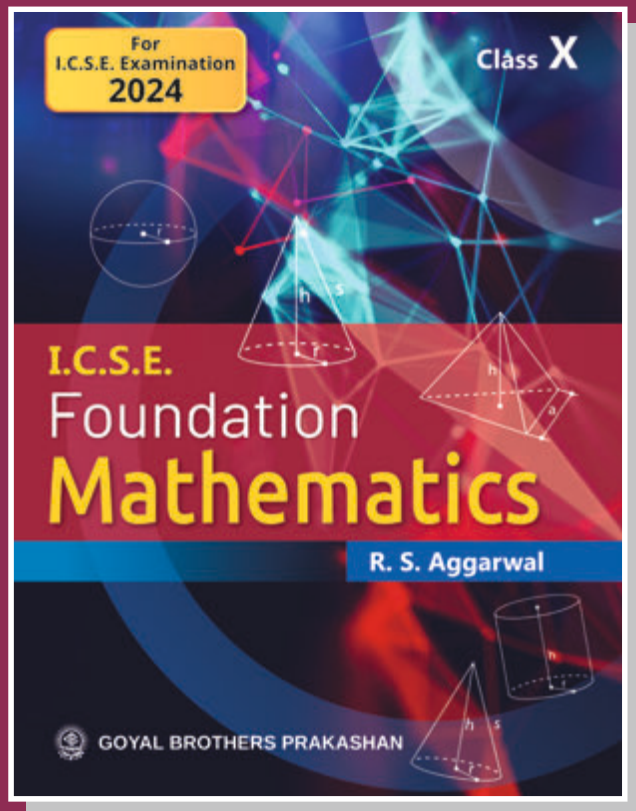
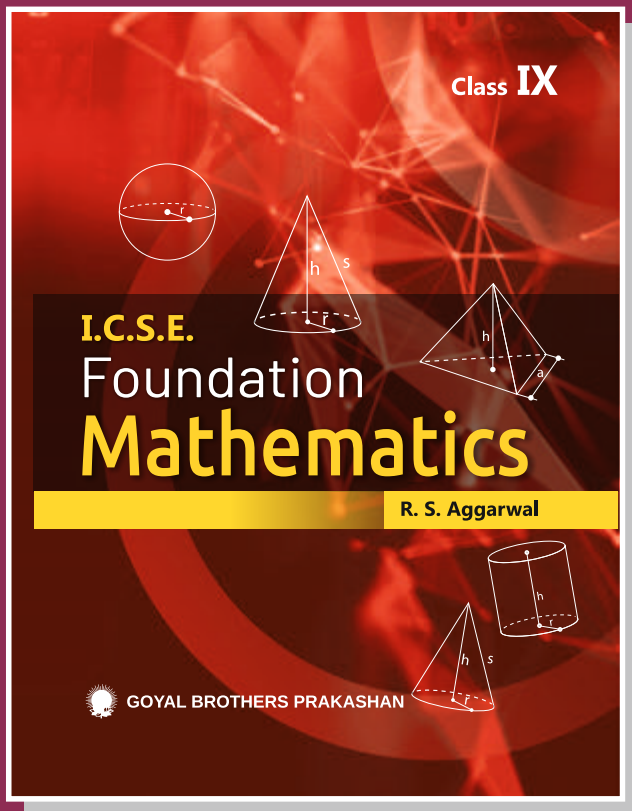


• R. S. Aggarwal

The revised edition of **I.C.S.E. Foundation Mathematics** for **classes 9 and 10** is strictly in accordance with the latest syllabus prescribed by the **Council for the Indian School Certificate Examinations**.

Salient features of these books are :

- ✦ **Rational, systematic and logical development** of mathematical concepts.
- ✦ All **concepts** and **definitions** have been described in detail in a lucid manner.
- ✦ Subject matter is supplemented by suitable **illustrative examples**.
- ✦ For each type of question set in exercises, there are a number of solved examples.
- ✦ **Multiple Choice Questions** have been added for better understanding of the lesson.
- ✦ **Case Study Based Questions** have been added to give a chance to the learners, apply the mathematical knowledge gained, to solve real life problems.
- ✦ **Past years' I.C.S.E. questions** have been incorporated topicwise and yearwise.
- ✦ A well graded **collection of questions with hints**.



• **R. S. Aggarwal**

The book entitled '**I.C.S.E. Mathematics Project Manual**' for **class 10** is one of its kind. It is a book containing Projects and Project Outlines. It strictly conforms to the latest syllabus for Practical/Project Work of Mathematics prescribed by the **Council for the Indian School Certificate Examinations**.

It contains **three projects** and **seven project outlines**. It also contains ample blank sheets for the students to do their project work.

There are two ways in which the book can be used. You can use the projects, as given in the book, with minor modifications. You can also use these projects as the foundation only, incorporating your own additional ideas into your project.

Salient features of the book are :

- ✗ Strictly follows the I.C.S.E. syllabus.
- ✗ The lay-out is **student-friendly**.
- ✗ Language used in projects is **simple and easy** to understand.
- ✗ **Pictures, graphs, diagrams**, etc., make the learning process enjoyable.

I.C.S.E.
Mathematics
Project Manual

For Class X



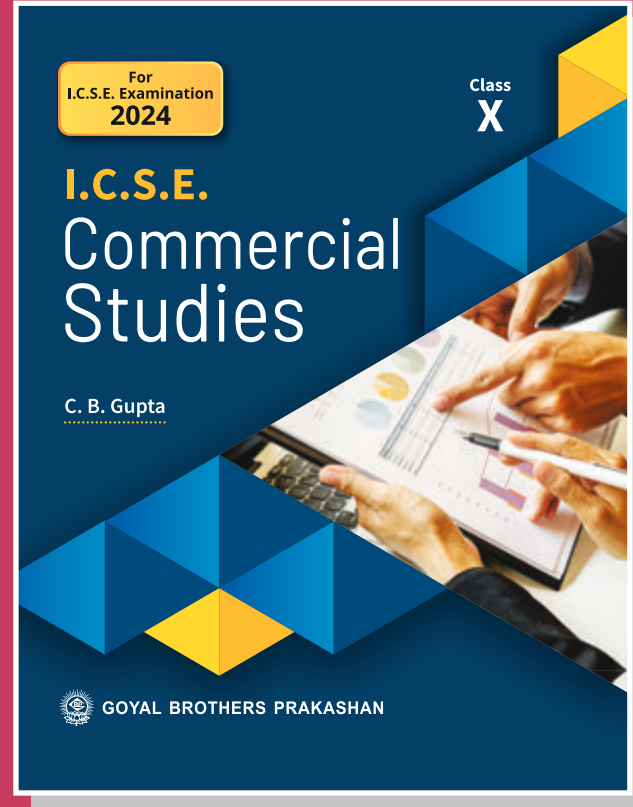
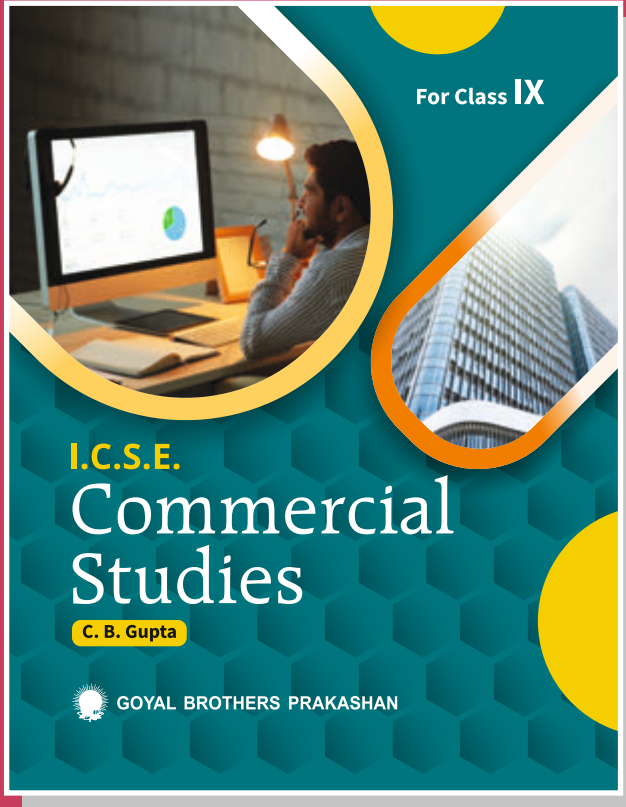
GOYAL BROTHERS PRAKASHAN

• **Dr. C. B. Gupta**

I.C.S.E. Commercial Studies for **classes 9 and 10** has been thoroughly revised and upgraded according to the latest syllabus prescribed by the **Council for Indian School Certificate Examination**.

Salient features of these books are :

- ✦ The books are written in a **simple** and **easy-to-understand language**.
- ✦ A large **number of illustrations** and **examples** have been given to facilitate understanding.
- ✦ **Summary** at the end of each chapter will help students in quick revision before the examination.
- ✦ **Project Works/Assignments** have been given to help the students to prepare for their examination.
- ✦ The latest I.C.S.E. **Specimen Question Paper (Solved)** has been given.
- ✦ I.C.S.E. **Past years' Examination Papers (Solved)** have been given through **QR Codes**.

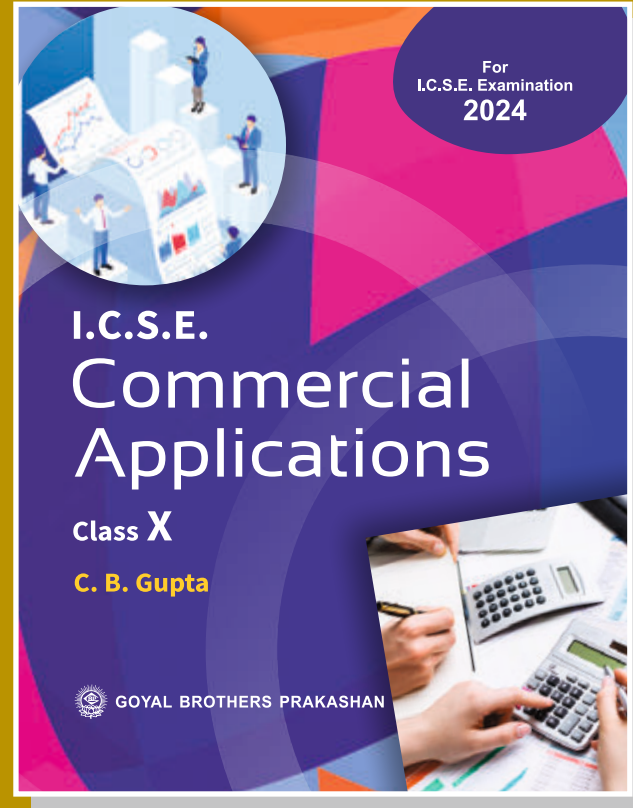
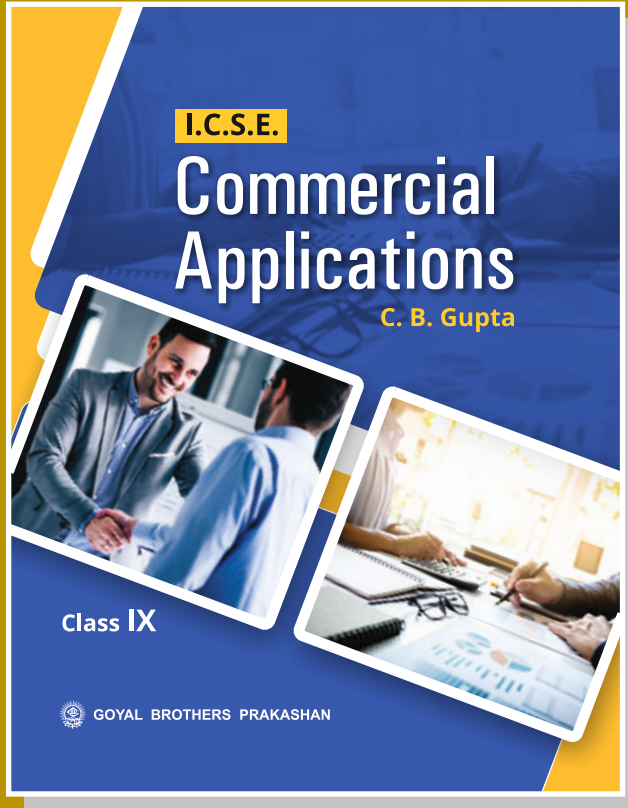


• Dr. C. B. Gupta

The books **I.C.S.E. Commercial Applications** for **classes 9 and 10** have been thoroughly revised and updated to meet the course content for the latest syllabus prescribed by the **Council for Indian School Certificate Examinations**.

Salient features of these books are :

- ✦ **Comprehensive coverage** of the **latest syllabus**.
- ✦ **Simple, lucid** and **conversational language**.
- ✦ **Tables** and **diagrams** to illustrate the text.
- ✦ **Illustrations** from commercial organizations of India.
- ✦ **Summary** at the end of each chapter for revision.
- ✦ **Short Answer** and **Long Answer Type Questions** at the end of every chapter.
- ✦ **Model Test Papers, Project Work** and **Glossary** at the end of the books.
- ✦ **Assignments** and **Case Studies** are given to enable the students to score well in internal assessment.
- ✦ **Chapter-wise questions** from past years examination are included.

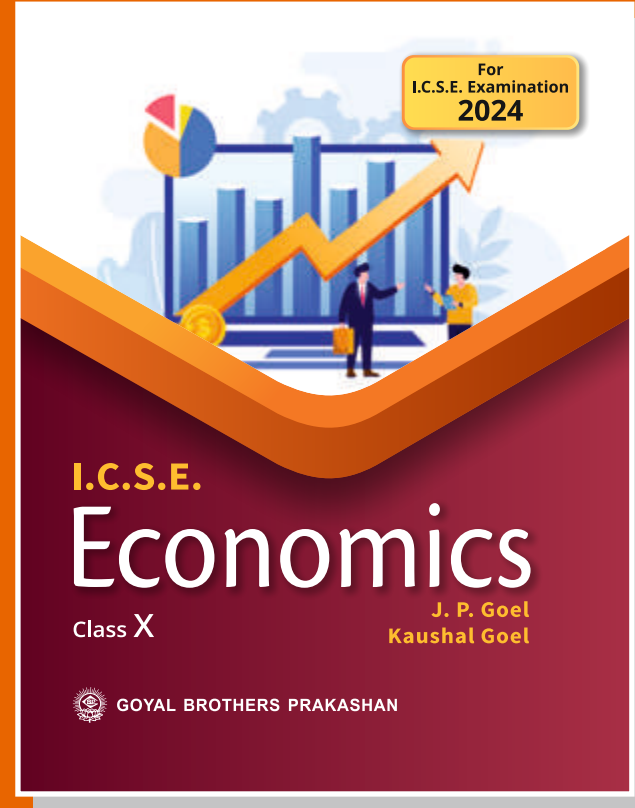
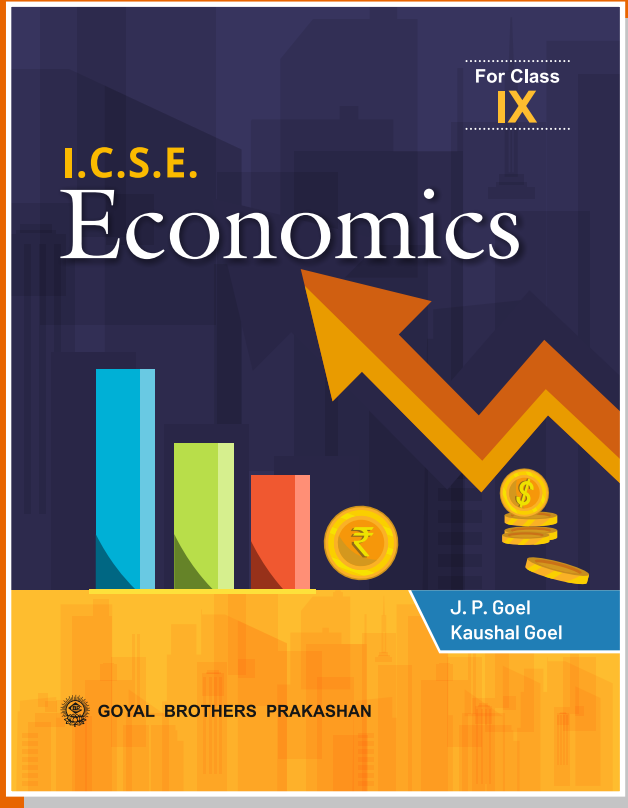


• J. P. Goel • Mrs. Kaushal Goel

I.C.S.E. Economics for classes 9 and 10 has been revised strictly as per the latest syllabus prescribed by the **Council for Indian School Certificate Examinations**.

Salient features of these books are :

- ✦ **Clear, precise and systematic** presentation of the subject matter.
- ✦ Use of a large number of **figures, charts, tables and illustrations** to make the subject easily understandable and interesting.
- ✦ Use of **latest statistical information**.
- ✦ **Summary** at the end of each chapter.
- ✦ **Project Work** given in the end.
- ✦ The latest I.C.S.E. **Specimen Question Paper (Solved)** has been given.
- ✦ I.C.S.E. **Past years' Examination Papers (Solved)** have been given through QR Codes.

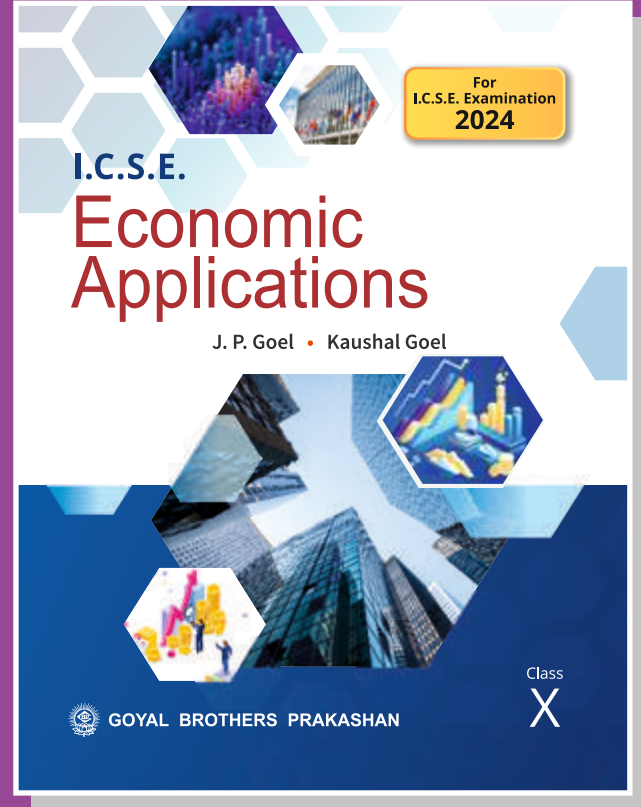
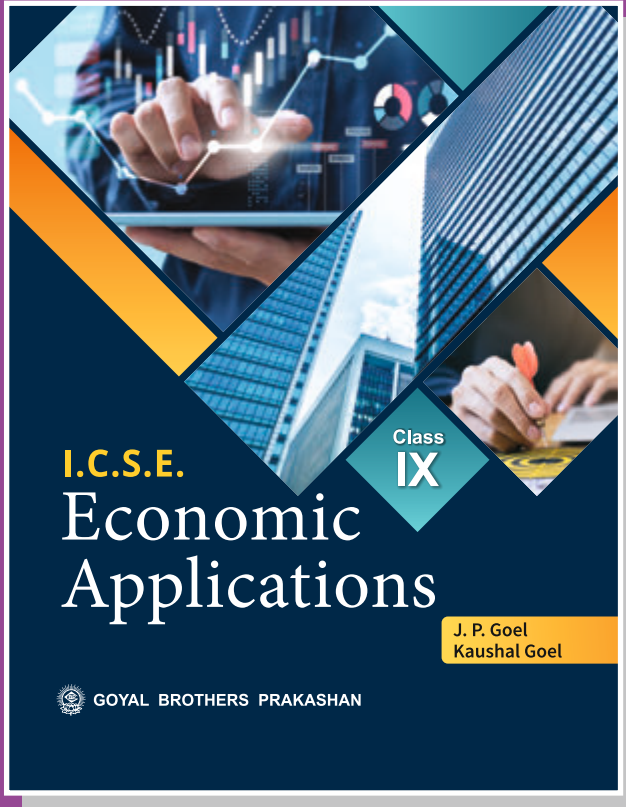


• J. P. Goel • Mrs. Kaushal Goel

I.C.S.E. Economic Applications for **classes 9 and 10** meets all the requirements of the latest syllabus prescribed by the **Council for Indian School Certificate Examinations**.

Salient features of these books are :

- ✦ Presentation of the subject matter in a **very simple** and **lucid style**.
- ✦ Subject matter closely **correlated with actual life**.
- ✦ **Comprehensive coverage** of the prescribed curriculum.
- ✦ Use of suitable **illustrations, charts and diagrams** at appropriate places.
- ✦ Use of the **latest** and **authentic statistical information** regarding Indian Economy.
- ✦ **Summary for quick revision** at the end of each chapter.
- ✦ **Comprehensive exercises** at the end of each chapter to test students level of understanding of the text.
- ✦ Each chapter is equipped with a **Question Bank** consisting of exam oriented questions alongwith suitable answers.
- ✦ Specially designed **Project Work** for the students.
- ✦ Based on the latest examination pattern, **two Model Test Papers** given at the end.
- ✦ **Glossary of technical term** covering the entire course given.



• **Er. Gurpreet S. Grewal**

The books **I.C.S.E. Computer Applications** for **classes 9 and 10** are revised strictly as per the latest syllabus prescribed by the **Council for Indian School Certificate Examinations**.

The content of these books is presented in a graded manner and enables the students to learn the subject in detail as per the needs of the latest syllabus.

Salient features of these books are :

- ✕ **Chapter Outlines** in the beginning of each chapter.
- ✕ **Hot Hint** gives extra guidance with specific topic.
- ✕ **Knowledge Key** is extra information that adds to the knowledge about software.
- ✕ **Practice section** enables the students to practice in the lab what has been learnt in theory.
- ✕ **Key Terms** at the end of chapter are explanation of important terms that one comes across in a chapter.
- ✕ **Let Us Revise** section is the summary of the chapter.
- ✕ **Numerous Exercises** in the chapter are given to evaluate the knowledge of students.
- ✕ **Teacher's Notes** included at the end of each chapter suggest intuitive ways to teach a chapter.

I.C.S.E.

COMPUTER APPLICATIONS

(Java under BlueJ)
For Class IX

Er. Gurpreet S. Grewal



GOYAL BROTHERS PRAKASHAN

I.C.S.E.

Computer Applications

(Java under Bluej)

For Class **X**



GOYAL BROTHERS PRAKASHAN

A Textbook of Robotics & Artificial Intelligence for class 9 is strictly in accordance with latest syllabus prescribed by the **Council for the Indian School Certificate Examinations**.

Salient features of the book are :

- ✦ **Learning Objectives** presents an overview of topics and concepts covered in chapters.
- ✦ Activities based on **Experiential Learning, Creative Thinking, Art Integration, Critical Thinking, Communication Skills** and **Life Skills** are given.
- ✦ **Did You Know** section is given to explain the Unknown Facts related to Robotics and AI.
- ✦ **Knowledge Hub** of videos and website related to the topics for detailed knowledge.
- ✦ **Readymade Assignments** based on Robotics, AI and Python.
- ✦ **Lab Projects** and **Activities** are given for the better understanding of the concepts.
- ✦ **Model Test Paper** based on the syllabus are provided.

A Textbook of

Robotics & AI Artificial Intelligence

For ICSE Schools



GOYAL BROTHERS PRAKASHAN

9

• **Dr. Kalpana Gupta**

The books **I.C.S.E. Environmental Science** for **classes 9 and 10** are strictly in accordance with the latest syllabus prescribed by the **Council for the Indian School Certificate Examinations**.

These books emphasises meaningful learning of Environmental Science and the overall development of learners. It focuses on helping children to understand their natural environment and correlate science with their everyday experiences in an interesting and comprehensive manner.

Salient features of these books are :

- ✦ All topics mentioned in the syllabus have been dealt systematically.
- ✦ **Elaborate explanation** of the concepts is given.
- ✦ **Important Terms** which contain all the difficult terms along with their meanings/definition from the whole chapter are given.
- ✦ **Comprehensive Exercises** as per the latest examination pattern are given.



I.C.S.E ENVIRONMENTAL SCIENCE

For Class **9**

Dr. Kalpana Gupta



GOYAL BROTHERS PRAKASHAN

I.C.S.E. ENVIRONMENTAL SCIENCE

For Class **10**

Dr. Kalpana Gupta



GOYAL BROTHERS PRAKASHAN

• **Indu Lekha Wanchoo**

The books **I.S.C. English Language Skills** for **classes 11 and 12** have been designed as a complete English Language Course, providing basic and essential guidance on how to master English Language Skills and achieve full confidence in tackling any question set in English Language Paper I. Space is provided with each question to write the answer.

These books have the latest questioning pattern followed by the Council.

The books are divided into six sections. They are :

- Section One** : Composition
- Section Two** : Guided Composition
- Section Three** : Grammar
- Section Four** : Comprehension
- Section Five** : Sample Papers
- Section Six** : Listening and Speaking Skills

For Class 11

I.S.C. English Language Skills

Study Material and
Practice Assignments

Salient features of this book are :

- Covers the entire **ISC Course in English Language**.
- Provides **Study and Practice Material on each Section** of the English Language Paper.
- Provides **Sample and Practice Material** for every kind of **Composition**.
- **Ample Practice** is given in **Guided Composition**.
- **Study Material, Solved Examples** and **Practice Materials** on **Proposal Writing** given under Guided Composition.
- **Step-by-step instructions** given in **Tackling Comprehension Questions**.
- Includes Rules for every unit of Grammar in the Syllabus, with **Ample Practice Material**.
- Provides **Sample Papers** for further practice.
- Includes **Rules, Sample** and **Practice Assignments** in Listening and Speaking Skills.



GOYAL BROTHERS PRAKASHAN

For Class 12

I.S.C. English Language Skills

Study Material and
Practice Assignments

Salient features of this book are :

- Covers the entire **ISC Course in English Language**.
- Provides **Study and Practice Material on each Section** of the English Language Paper.
- Provides **Sample and Practice Material** for every kind of **Composition**.
- **Ample Practice** is given in **Guided Composition**.
- **Study Material, Solved Examples** and **Practice Materials** on **Proposal Writing** given under Guided Composition.
- **Step-by-step instructions** given in **Tackling Comprehension Questions**.
- Includes Rules for every unit of Grammar in the Syllabus, with **Ample Practice Material**.
- Provides **Sample Papers** for further practice.



GOYAL BROTHERS PRAKASHAN

• डॉ. डी.वी. सिंह

कक्षा 11-12 के विद्यार्थियों की आवश्यकता को ध्यान में रखते हुए हमने **I.S.C. Hindi Language Skills** पुस्तक को साकार रूप प्रदान किया है। इसमें **Indian School Certificate Examination** के अंतर्गत कक्षा 11-12 के पाठ्यक्रम के सभी पक्षों को समाविष्ट किया गया है।

इस पुस्तक की निम्नलिखित विशेषताएँ हैं-

- ✦ प्रत्येक खंड में हलसहित एवं हलरहित प्रश्नों का समावेश किया गया है।
- ✦ प्रत्येक खंड में विषय की भूमिका, विषय की व्याख्या व भेद तथा प्रश्न हल करने के महत्वपूर्ण एवं सटीक सुझाव दिए गए हैं।
- ✦ निबंध-लेखन में निबंध की परिभाषा, निबंध-लेखन संबंधी आवश्यक बातें, निबंध के अंग, निबंध के भेद, उदाहरण तथा अभ्यास-कार्य दिए गए हैं।
- ✦ कहानी-लेखन में कहानी कला के तत्व, कहानी लेखन संबंधी आवश्यक बातें, कहानियों का वर्गीकरण, उदाहरण तथा अभ्यास-कार्य दिए गए हैं।
- ✦ अपठित गद्यांश में उत्तर देने के लिए ज़रूरी टिप्स, हल प्रश्नपत्र एवं उदाहरण दिए गए हैं।
- ✦ मुहावरों का पहले अर्थ एवं महत्त्व बताया गया है, फिर उनके वाक्य प्रयोग संबंधी उदाहरण दिए गए हैं। और अंत में अभ्यास-कार्य दिया गया है।

I.S.C. Hindi LANGUAGE SKILLS

(पाठ्य सामग्री एवं अभ्यास-कार्य)

कक्षा XI एवं XII के लिए

- ◆ निबंध-लेखन (Essay Writing)
- ◆ कहानी-लेखन (Story Writing)
- ◆ अपठित गद्यांश (Unseen Passage)
- ◆ अशुद्ध वाक्यों का शोधन (Correction of Incorrect Sentences)
- ◆ मुहावरे (Idioms)



गोयल ब्रदर्स प्रकाशन

• **Dr. J. C. Johari**

The books **I.S.C. Political Science** for **classes 11 and 12** are revised in accordance with the new syllabus prescribed by the **Council for Indian School Certificate Examinations**. An attempt has been made to cover all prescribed topics relating to important elements of political theory which are required to be discussed comprehensively.

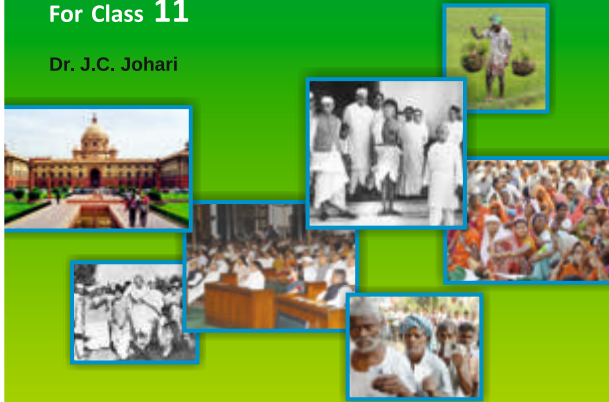
Salient features of these books are :

- ✦ **Simple and lucid language** is used throughout the book.
- ✦ Special approach is used to present different topics so that the **learning could become a continuous process**.
- ✦ **Learning Objectives** are given at the beginning so that the students would understand what they are going to learn.
- ✦ At the end of the chapter, **Points to Remember** are included to revise the chapter.
- ✦ Exercises are divided as per the examination pattern into two categories, i.e., **Short Answer Type Questions** and **Long Answer Type Questions**.
- ✦ The questions of **Past Years Examinations** are included chapter-wise.

I.S.C. POLITICAL SCIENCE

For Class 11

Dr. J.C. Johari

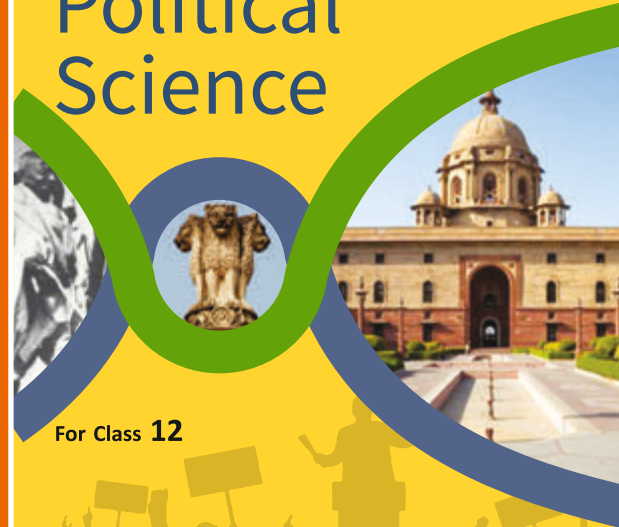


GOYAL BROTHERS PRAKASHAN

I.S.C. Political Science

Dr. J.C. Johari

For Class 12



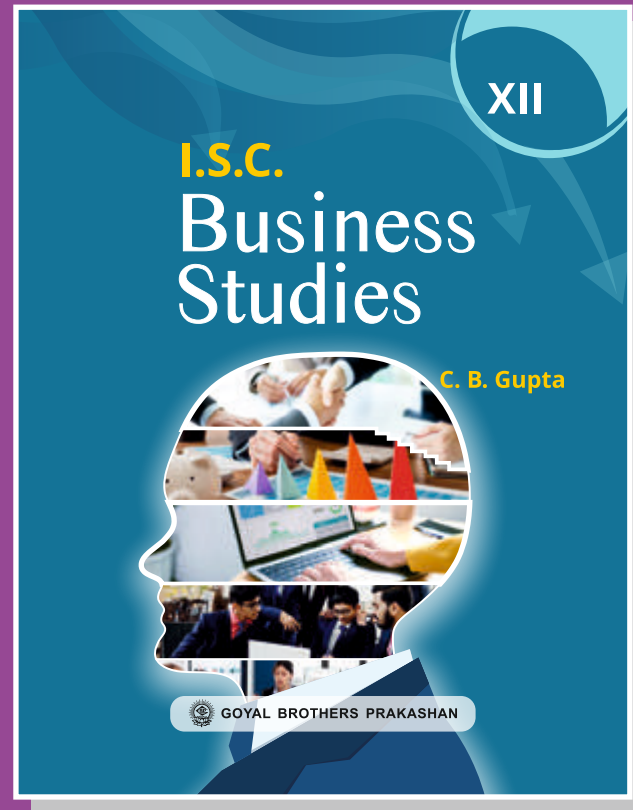
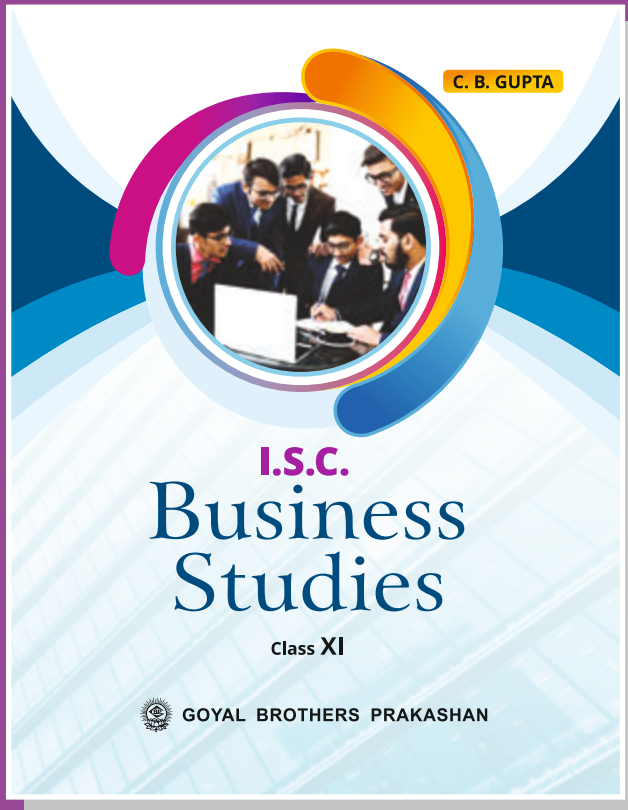
GOYAL BROTHERS PRAKASHAN

• **Dr. C. B. Gupta**

The books **I.S.C. Business Studies** for **classes 11 and 12** have been revised strictly in accordance with the new syllabus prescribed by the **Council for Indian School Certificate Examinations**.

Salient features of these books are :

- ✦ Written in a **simple and easy-to-understand language**.
- ✦ Enable students to understand the modern business environment and to create awareness about various entrepreneurial opportunities.
- ✦ Chapter outline to give a bird's eye-view of the topics described in every chapter.
- ✦ **A large number of illustrations and diagrams** are given to facilitate understanding.
- ✦ **Summary** at the end of each chapter will help students in a quick revision before the examination.
- ✦ **Chapter-wise Question Bank** is given.
- ✦ Project work consisting of all the prescribed projects.



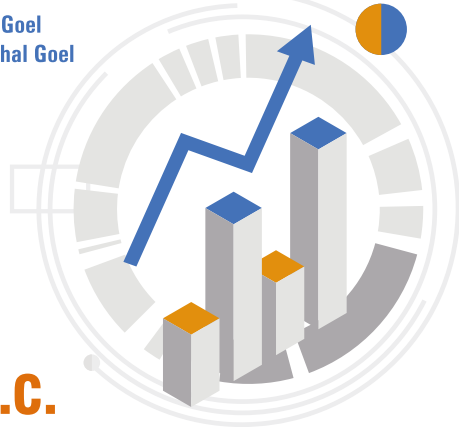
• J. P. Goel • Mrs. Kaushal Goel

The books, entitled **I.S.C. Economics** for **classes 11 and 12** have been thoroughly revised and updated as per latest data, facts and figures prescribed by the **Council for the Indian School Certificate Examinations**. These books provides a depth of information easily accessible to students. A wide range of interesting examples and case studies have been given for this purpose.

Salient features of these books are :

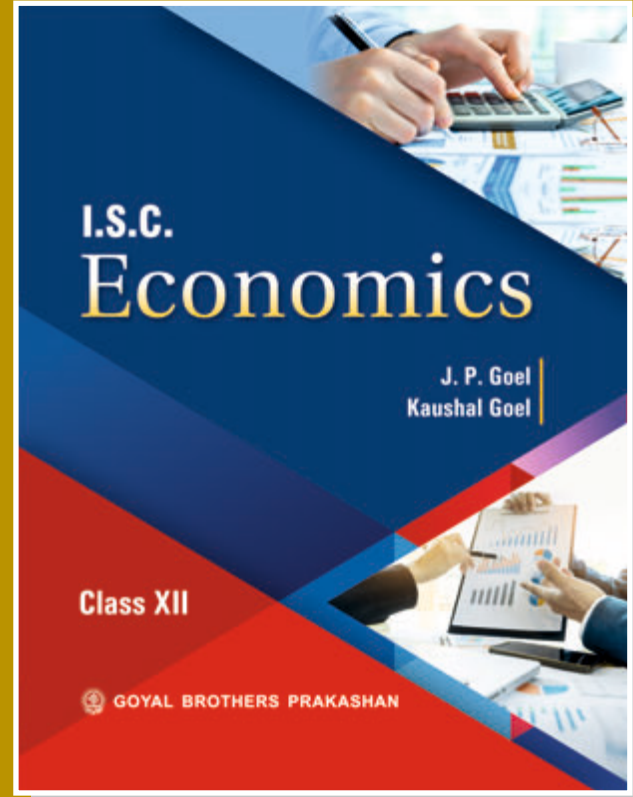
- ✦ **Chapter Summary** is given at the end of every chapter for quick revision of the text.
- ✦ **Question Bank** containing important questions and their answers, in accordance with the pattern of examination, has been added at the end of each chapter.
- ✦ **Important texts have been highlighted** by using bold letters and boxes wherever required.
- ✦ Improved **quality of graphs** are given.
- ✦ A **comprehensive glossary** of the over 250 key words is given at the end of the books.

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- Kaushal Goel



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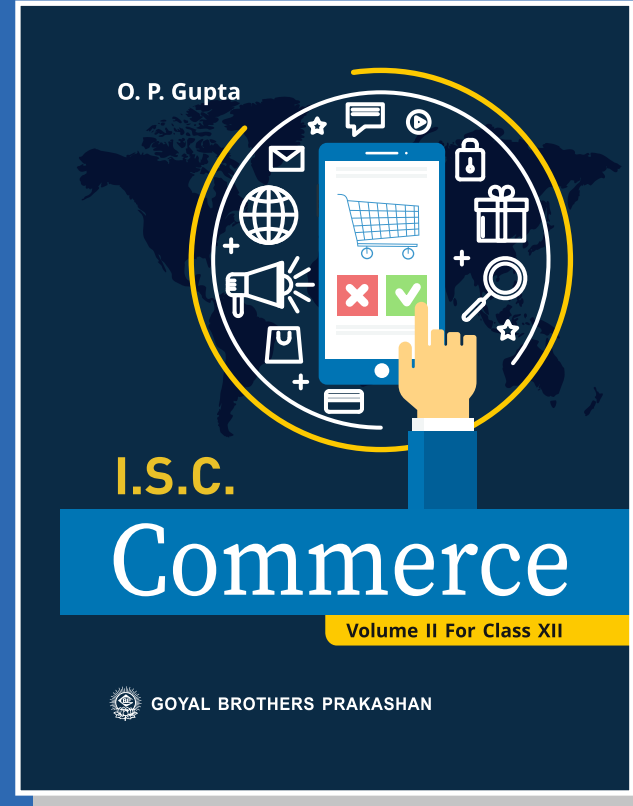
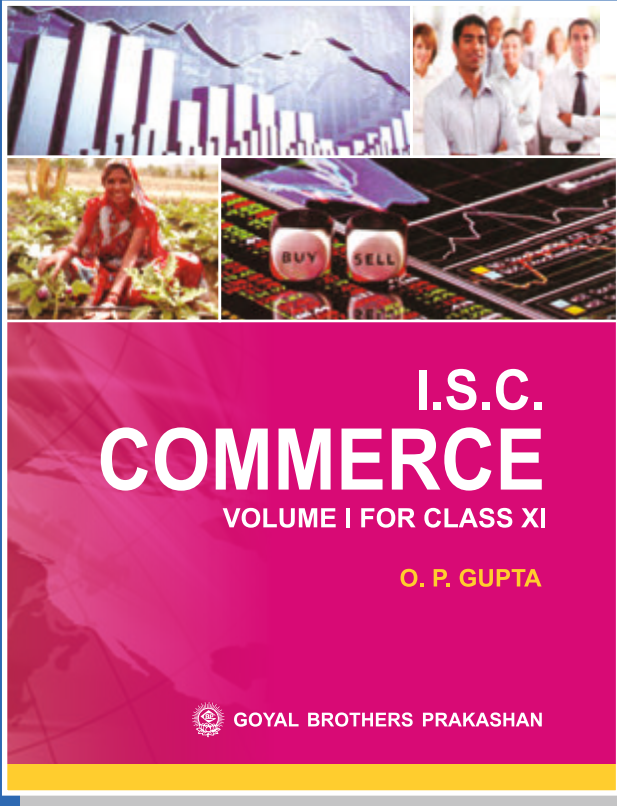
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• **Dr. O. P. Gupta**

The books **I.S.C. Commerce** for **classes 11 and 12** have been written according to the latest I.S.C. Syllabus prescribed by the **Council for the Indian School Certificate Examinations**.

Salient features of these books are :

- ✦ **Learning objectives** has been given at the beginning of each chapter so that the students know beforehand what they will learn after the study of each chapter.
- ✦ **Tool-kit and Points to Remember**, given in each chapter, is one of the special features of the book.
- ✦ **Summary of the Chapter** has been given at the end of each chapter to enable the student for quick revision at the time of examination.
- ✦ In **Questions Bank**, certain questions with answers are given to remove the doubts in the minds of students and for proper understanding of the subject.
- ✦ The treatment of the subject is simple as well as exhaustive. Use of diagrams, tables and boxes have been made to make the subject self-explanatory.
- ✦ To facilitate self-examination by the students, Short Answer Type Questions and Long Answer Type Questions have been given in a logical sequence at the end of each chapter from previous year question papers.
- ✦ **Ten Model Test Papers** are incorporated at the end of the books.



• **Dr. Nirmal Kapoor**

The books, **I.S.C. Environmental Science** for **classes 11 and 12** are revised according to latest syllabus prescribed by the **Council for Indian School Certificate Examinations**. These books emphasises meaningful learning of Environmental Science and the overall development of learners. It focuses on helping children to understand their natural environment and correlate science with their everyday experiences in an interesting and comprehensive manner.

Salient features of these books are :

- ✦ Great care has been taken to see that all topics mentioned in the syllabus have been dealt with systematically and in an easy manner.
- ✦ **Elaborate explanation of the concepts** is given in each chapter.
- ✦ **Important Terms** contain all the difficult terms along with their meanings/definition from the whole chapter.
- ✦ At the end of the chapter, **Recap** have been included to revise the chapter.
- ✦ **Comprehensive Exercises** as per the latest examination pattern have been given to check the concepts learnt.

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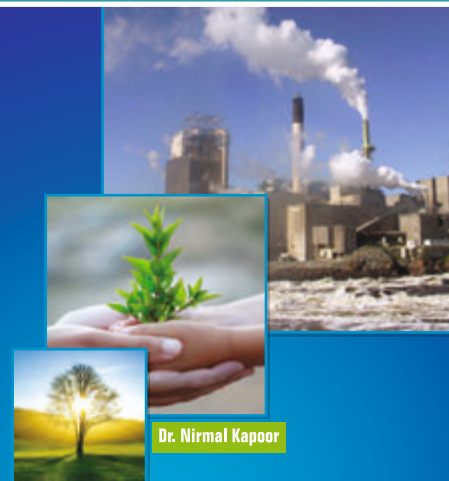


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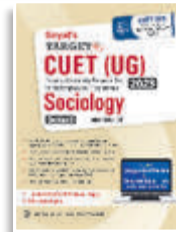
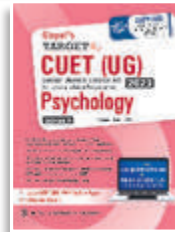
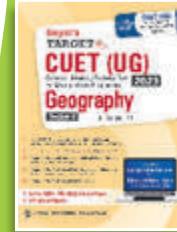
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