

CATALOGUE 2023

Classes 9 to 12

As per the Latest Curriculum prescribed by the
Central Board of Secondary Education (CBSE), New Delhi



GOYAL BROTHERS PRAKASHAN



Title	Classes	Pages
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For Classes 9 and 10

Main Stream

Goyal's Assignments In English Language & Literature	9 and 10	6
संचित हिंदी व्यावहारिक व्याकरण तथा रचना (कोर्स 'ए')	9 एवं 10	8
अनमोल हिंदी व्यावहारिक व्याकरण तथा रचना (कोर्स 'बी')	9 एवं 10	10
नूतन व्याकरण आलोक (कोर्स 'ए')	9 एवं 10	12
नूतन व्याकरण सुधा (कोर्स 'बी')	9 एवं 10	14
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A Complete Course In Science Lab Manual	9 and 10	28
Core Social Science — History	9 and 10	30
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Title	Classes	Pages
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A Textbook of Artificial Intelligence (Subject Code - 417)	9 and 10	58
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A Textbook of Data Science (Subject Code - 419)	9 and 10	62
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Title	Classes	Pages
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For Classes 11 and 12

Main Stream

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Practicals & Projects in Applied Mathematics With Record Book	11 and 12	80
Mathematics Lab Activities With Record Book	11 and 12	82
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Core Laboratory Manual of Chemistry	11 and 12	86
Core Laboratory Manual of Biology	11 and 12	88
Core Economics With Video Lectures	11 and 12	90
A Textbook of Statistics for Economics (Part A)		
A Textbook of Introductory Microeconomics (Part B)	11	92
A Textbook of Introductory Macroeconomics (Part A)		
A Textbook of Indian Economic Development (Part B)	12	94
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Project Work in Business Studies With Project Record Book	12	100
Project Work in Entrepreneurship With Project Record Book	12	102

Title	Classes	Pages
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Project Work in Sociology With Project Record Book	12	106
Practicals in Geography With Practical Record Book	12	108
Project Work in Political Science With Project Record Book	12	110
Practicals in Psychology With Practical Record Book	12	112
Skill Education		
A Textbook of Employability Skills	11 and 12	114
A Textbook of Artificial Intelligence (Subject Code - 843)	11 and 12	116
A Textbook of Data Science (Subject Code - 844)	11 and 12	118
A Textbook of Web Applications (Subject Code - 803)	11 and 12	120
A Textbook of Tourism (Subject Code - 806)	11 and 12	122
A Textbook of Yoga (Subject Code - 841)	11 and 12	124
Other		
Health & Physical Education	11 and 12	126

GOYAL'S ASSIGNMENTS IN ENGLISH LANGUAGE & LITERATURE

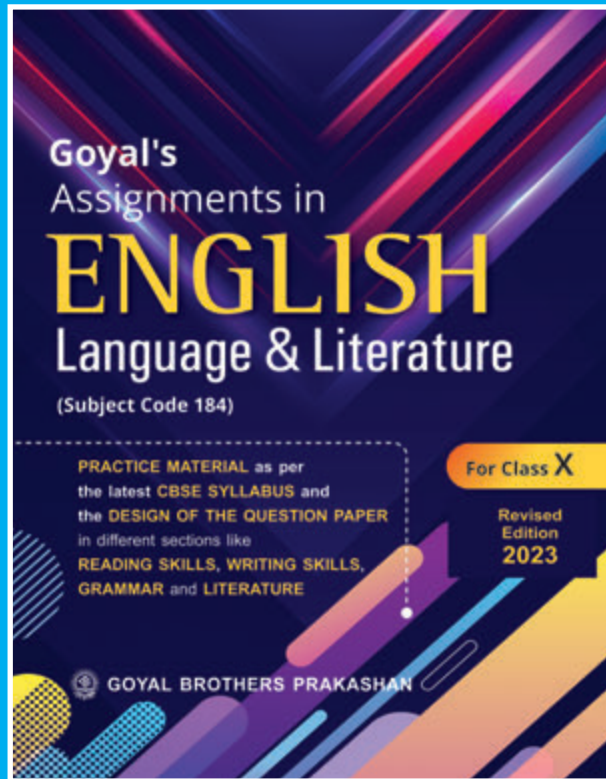
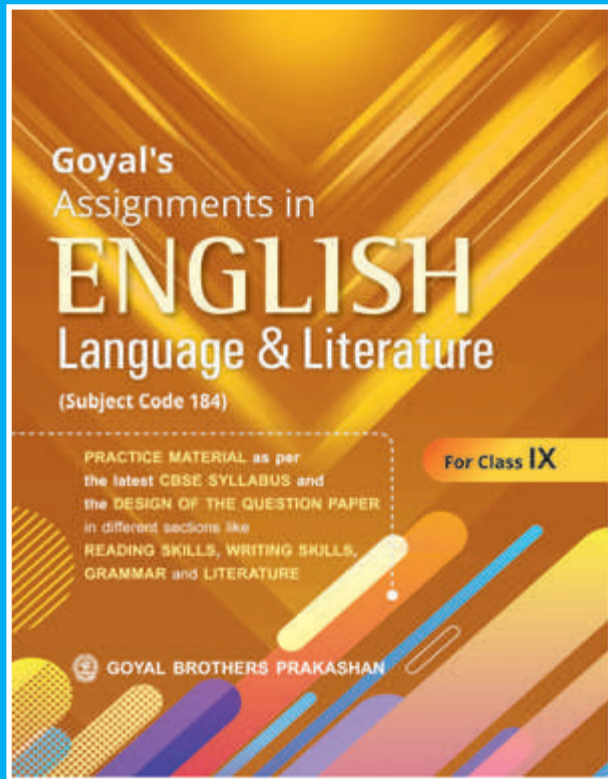
for Classes 9 and 10

• Rama Joshi • Silky Bhatia

Goyal's Assignments in English Language & Literature for **Classes 9 and 10** are strictly based on the latest syllabus prescribed by the CBSE, New Delhi. These books take into account all the changes made in the syllabus. Exercises and Assignments have been planned according to the latest syllabus. They encourage originality, creativity and critical analysis with a comprehensive understanding of contemporary issues.

These books are divided into the following sections :

- ✦ **SECTION A (Reading Skills):** This section contains **discursive** and **case-based factual passages (with visual input—statistical data, chart, etc)**. Discursive Passages have been chosen from bestsellers, lectures and speeches. The method of evaluation is as per the CBSE guidelines to test **inference, evaluation, analysis, interpretation** and **vocabulary**.
- ✦ **SECTION B1 (Writing Skills):** Topics of this section have been strictly chosen according to the latest syllabus. The topics range from traditional to contemporary issues that have to be written on the basis of given **outline/data/chart/cues** to encourage **creative thinking and critical analysis**.
- ✦ **SECTION B2 (Grammar):** This section lists all the rules necessary for solving exercises that follow. Chapters are planned with strict adherence to the syllabus. A large number of assignments are provided to give ample practice to students.
- ✦ **SECTION C1 (Literature Textbook):** This section provides you with Prose and Poetry to test **inference, evaluation, creativity, imagination, extrapolation** and **vocabulary**.
- ✦ **SECTION C2 (Supplementary Reader):** This section takes into account the interests of young learners while making them aware of issues that they need to reflect on personal relationships, the neighbourhood, and the community.



• श्रीमती कविता बासु • डॉ. आर. एल. त्रिवेदी

‘संचित हिंदी व्यावहारिक व्याकरण तथा रचना’ केंद्रीय माध्यमिक शिक्षा बोर्ड के नवीनतम ‘ए’ पाठ्यक्रमानुसार कक्षा नवीं व दसवीं के लिए तैयार की गई है।

प्रस्तुत पुस्तकों को सी.बी.एस.ई. बोर्ड, नई दिल्ली द्वारा अनुमोदित नवीनतम पाठ्यक्रम के अनुरूप तैयार किया गया है, जो बोर्ड के दिशानिर्देशों के एकदम अनुकूल है।

प्रस्तुत पुस्तकों की विशेषताएँ निम्नलिखित हैं—

- ★ पुस्तक में खंडों का विभाजन भी पाठ्यक्रमानुसार ही किया गया है। जैसे—**खंड क**-अपठित बोध, **खंड ख**-व्यावहारिक व्याकरण, **खंड घ**-लेखन।
- ★ **खंड क**- ‘अपठित बोध’ के अंतर्गत गद्यांश एवं काव्यांश दिए गए हैं जिसमें सी. बी. एस. ई. बोर्ड परीक्षा में पूछे गए प्रश्नों सहित अन्य संभावित प्रश्नों को सम्मिलित किया गया है। इनमें से कुछ प्रश्नों को कुछ उत्तर सहित और अधिकांशतः अभ्यास-कार्य के रूप में दिया गया है।
- ★ **खंड ख**- व्यावहारिक व्याकरण के अंतर्गत व्याकरण के केवल उन्हीं पक्षों को समाहित किया गया है, जो पाठ्यक्रम में निर्दिष्ट हैं।
- ★ व्याकरण के विविध पक्षों को अनेकानेक उदाहरणों द्वारा बोधगम्य बनाया गया है।
- ★ **खंड घ**- लेखन के अंतर्गत अनुच्छेद लेखन, औपचारिक-अनौपचारिक पत्र, विज्ञापन लेखन तथा संदेश लेखन को सम्मिलित किया गया है। पहले इनके बारे में समझाया गया है, फिर अनेकानेक उदाहरण एवं अभ्यास-कार्य दिए गए हैं।

राष्ट्रीय शिक्षा नीति
2020
पर आधारित

संचित हिंदी
व्यावहारिक
व्याकरण
तथा रचना

नवीं कक्षा के लिए
कोर्स 'ए'

 गोयल ब्रदर्स प्रकाशन

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• श्रीमती कविता बासु • डॉ. डी. वी. सिंह

'अनमोल हिंदी व्यावहारिक व्याकरण तथा रचना' केंद्रीय माध्यमिक शिक्षा बोर्ड के नवीनतम 'बी' पाठ्यक्रमानुसार कक्षा नवीं व दसवीं के लिए तैयार की गई है।

प्रस्तुत पुस्तकों को सी.बी.एस.ई., नई दिल्ली द्वारा अनुमोदित नवीनतम पाठ्यक्रम के अनुरूप तैयार किया गया है, जो बोर्ड के दिशानिर्देशों के एकदम अनुकूल है।

प्रस्तुत पुस्तकों की विशेषताएँ निम्नलिखित हैं—

- ✦ पुस्तकों में खंडों का विभाजन भी पाठ्यक्रमानुसार ही किया गया है। जैसे—**खंड क**-अपठित बोध, **खंड ख**-व्यावहारिक व्याकरण, **खंड घ**-लेखन।
- ✦ **खंड क**- 'अपठित बोध' के अंतर्गत सी.बी.एस.ई. बोर्ड परीक्षा में पूछे गए प्रश्नों को कुछ उत्तर सहित और अधिकांशतः अभ्यास-कार्य के रूप में प्रचुर मात्रा में दिया गया है।
- ✦ **खंड ख**- 'व्यावहारिक व्याकरण' के अंतर्गत व्याकरण के केवल उन्हीं पक्षों को समाहित किया गया है, जो वर्तमान पाठ्यक्रम में निर्दिष्ट हैं।
- ✦ व्याकरण के विविध पक्षों को अनेकानेक उदाहरणों द्वारा बोधगम्य बनाया गया है।
- ✦ **खंड घ**- 'लेखन' के अंतर्गत अनुच्छेद-लेखन, पत्र-लेखन, सूचना-लेखन, विज्ञापन-लेखन और लघुकथा लेखन को सम्मिलित किया गया है। इन पर आधारित अनेकानेक उदाहरण एवं अभ्यास-कार्य दिए गए हैं।

राष्ट्रीय शिक्षा नीति
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अनमोल हिंदी व्यावहारिक व्याकरण तथा रचना

नवीं कक्षा के लिए
कोर्स 'बी'



गोयल ब्रदर्स प्रकाशन

राष्ट्रीय शिक्षा नीति
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अनमोल हिंदी व्यावहारिक व्याकरण तथा रचना

दसवीं कक्षा के लिए
कोर्स 'बी'



गोयल ब्रदर्स प्रकाशन

• डॉ. शिक्षा

नूतन व्याकरण आलोक पुस्तक कक्षा नवीं व दसवीं (कोर्स-ए) के छात्रों के लिए समग्र रूप से तैयार की गई है, जो केंद्रीय माध्यमिक शिक्षा बोर्ड, नई दिल्ली के नवीनतम पाठ्यक्रम एवं दिशा-निर्देशों के एकदम अनुकूल है। इस पुस्तक में सी.बी.एस.ई. बोर्ड, नई दिल्ली के दिशा-निर्देशों के अनुरूप खंडों को प्रस्तुत किया गया है।

इस पुस्तक की विशेषताएँ इस प्रकार हैं—

- ✦ **खंड-क** : यह भाग अपठित बोध का है। नए पाठ्यक्रम के अनुसार कक्षा-9 एवं 10 में अपठित गद्यांश तथा काव्यांश पर आधारित अति लघु प्रश्न, लघु प्रश्न अथवा बहुविकल्पीय प्रश्न पूछे जाएँगे।
- ✦ **खंड-ख** : यह भाग व्याकरण से संबंधित है। इसमें कक्षा-नवीं और दसवीं के व्याकरण पाठ्यक्रमों को अलग-अलग भागों में प्रस्तुत किया गया है।
- ✦ व्याकरण भाग के पाठों पर आधारित तथ्य, उदाहरण एवं अभ्यास दिए गए हैं।
- ✦ **खंड-घ** : इसमें समाहित हैं— अनुच्छेद लेखन, पत्र लेखन, संवाद लेखन, लघुकथा लेखन, संदेश लेखन तथा विज्ञापन-लेखन।
- ✦ सभी खंडों में सी.बी.एस.ई. बोर्ड की परीक्षा में पूछे गए प्रश्न डाले गए हैं, ताकि छात्रगण प्रश्नों के प्रारूप से भली-भाँति परिचित हो सकें।



नूतन व्याकरण सुधा पुस्तक कक्षा नवीं व दसवीं (कोर्स-ब) के छात्रों के लिए समग्र रूप से तैयार की गई है, जो केंद्रीय माध्यमिक शिक्षा बोर्ड, नई दिल्ली के नवीनतम पाठ्यक्रम एवं दिशानिर्देशों के एकदम अनुकूल है। इस पुस्तक में सी.बी.एस.ई. बोर्ड, नई दिल्ली के दिशानिर्देशों के अनुरूप विभिन्न खंडों को प्रस्तुत किया गया है।

इस पुस्तक की विशेषताएँ इस प्रकार हैं—

- ✦ **खंड-क** : यह भाग अपठित बोध का है। नए पाठ्यक्रम के अनुसार इस खंड का स्वरूप इस प्रकार होगा—
 - कक्षा-9 के लिए अपठित गद्यांश होंगे, जिन पर आधारित लघु प्रश्न, अति लघु प्रश्न अथवा बहुविकल्पीय प्रश्न पूछे जाएँगे।
 - कक्षा-10 के लिए अपठित गद्यांश होंगे, जिन पर आधारित लघु प्रश्न, अति लघु प्रश्न अथवा बहुविकल्पीय प्रश्न पूछे जाएँगे।
- ✦ **खंड-ख** : यह भाग व्याकरण से संबंधित है। इसमें कक्षा-नवीं और दसवीं के व्याकरण पाठ्यक्रम को अलग-अलग भागों में प्रस्तुत किया गया है। सरल स्पष्टीकरणों द्वारा विषयों को समझाया गया है।
- ✦ **खंड-घ** : इसमें समाहित हैं—अनुच्छेद लेखन, पत्र लेखन, संदेश लेखन, संवाद लेखन, नारा लेखन, सूचना लेखन, विज्ञापन लेखन तथा लघुकथा लेखन।

नूतन व्याकरण सुधा

(कोर्स-बी)

नवी पुर्व दसवी कक्षा के लिए



गोयल ब्रदर्स प्रकाशन

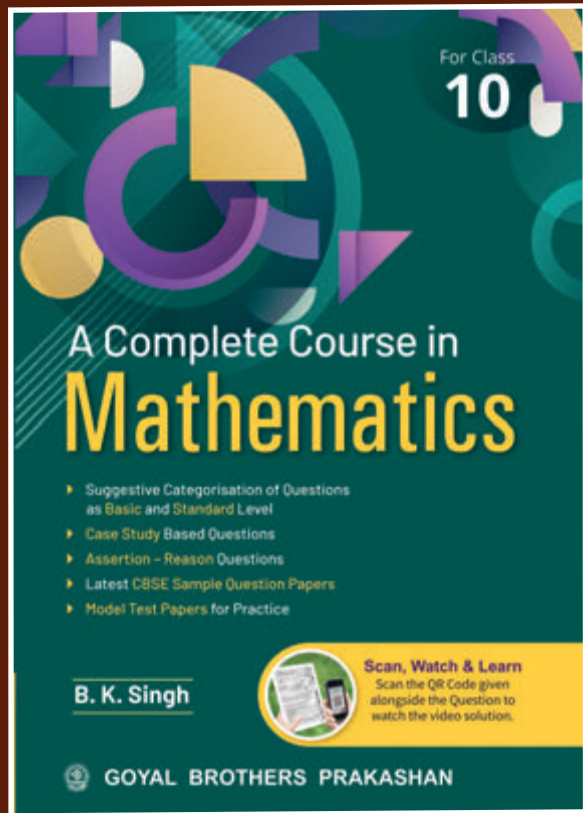
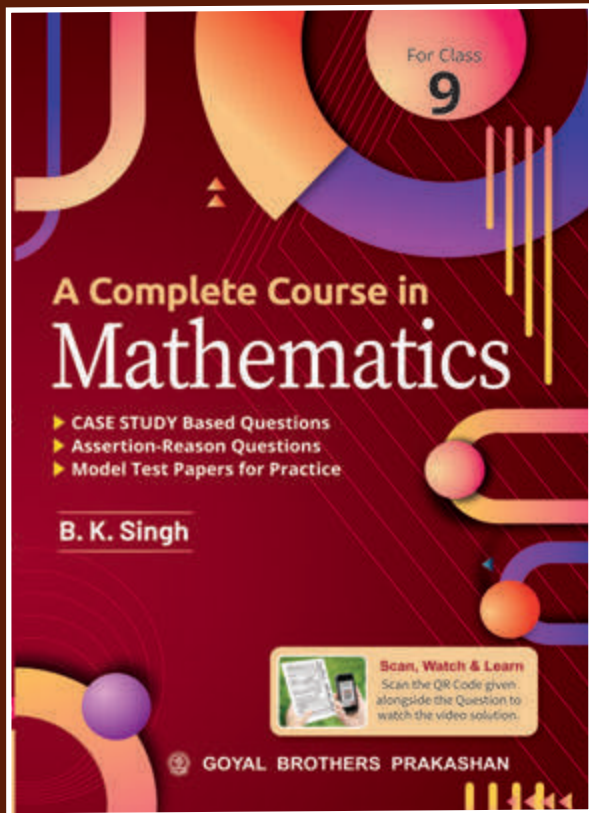


• B. K. Singh

The revised edition of the books entitled **A Complete Course in Mathematics** for **Classes 9 and 10** has been written strictly according to the latest syllabus & examination pattern prescribed by CBSE, New Delhi.

Salient features of these books are :

- ✦ The text (**Definitions, Concepts, Theorems**, etc.) has been explained systematically and logically by giving ample number of **Solved Examples** and **Exercises**.
- ✦ All the **difficult questions** (from **NCERT, NCERT Exemplar** and other **parallel books**) have been either solved or provided with the **Hints**.
- ✦ **Author's Tip** to highlight important points have been given.
- ✦ **Handy Hints**, wherever required, have been incorporated.
- ✦ **Suggestive categorisation of questions as Basic and Standard**, to fulfill the requirement of the latest examination pattern of CBSE, has been given. (**For class 10**)
- ✦ **Questions from Past Years' CBSE Papers** have been incorporated appropriately. (**For class 10**)
- ✦ **Multiple Choice Questions (MCQs)** have been added for better understanding of the lesson.
- ✦ **Synopsis** to recapitulate the main concepts learnt in the chapter has been given.
- ✦ **Chapter-wise two Self Evaluation Tests**—one for **Basic Level** and other for **Standard Level** have been given to revise the whole chapter at one go. (**For class 10**)
- ✦ **Chapter-wise Case Study Based Questions** have been given.
- ✦ **Video Lectures** (through QR codes) by the author provide the solutions of difficult questions.



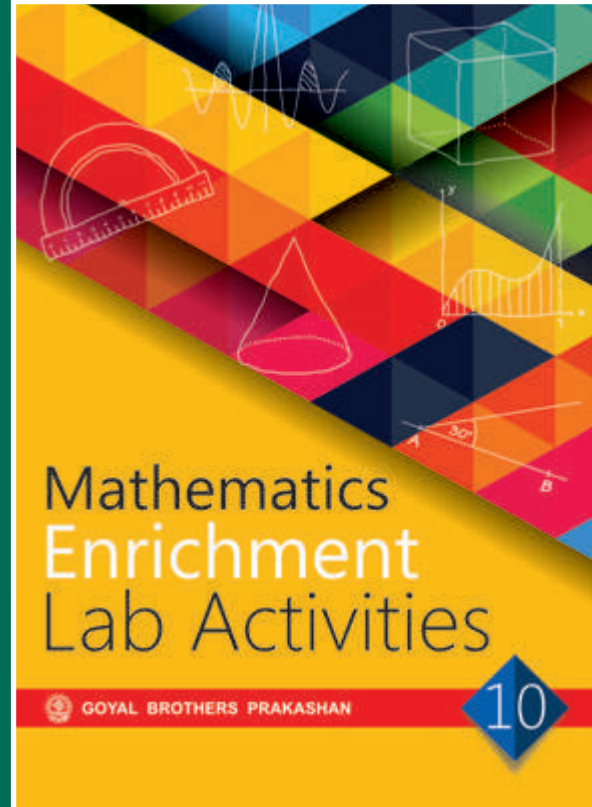
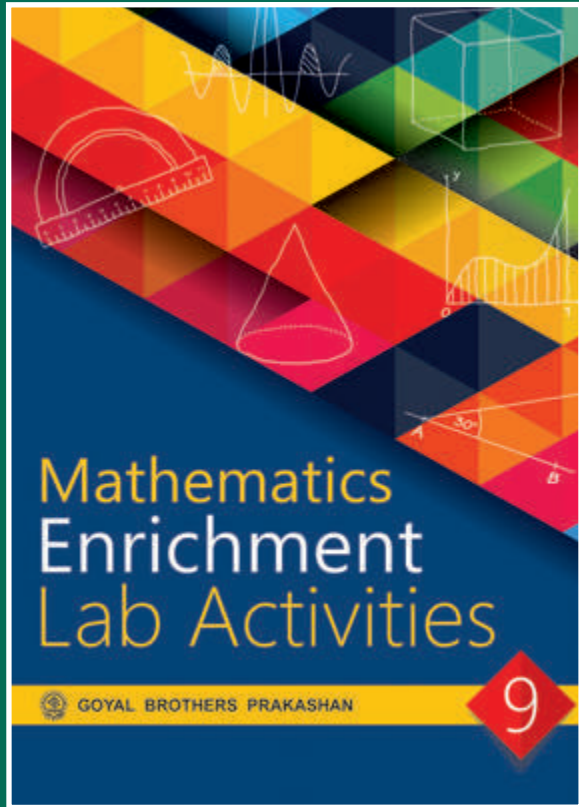
• S. N. Sharma • R. S. Dhauni

The series of books entitled **Mathematics Enrichment Lab Activities** for **Classes 9 and 10** has been developed in strict accordance with the latest syllabus and Remodelled Scheme of Assessment prescribed by the Central Board of Secondary Education, New Delhi.

While preparing these books, guidelines of the Remodelled Scheme of Assessment has been taken care of. As per this scheme, 5 marks (out of 100) have been allotted to subject Enrichment Activities. Also, the activities/projects given in these books are based on the activities/projects given in the CBSE/NCERT books. The main objective of these activities is to make the teaching-learning process of Mathematics interesting, enjoyable and result-oriented. The Central Board of Secondary Education (CBSE) also suggests that the learning of Mathematics should be activity-oriented and every school must have a Mathematics laboratory to fulfill the above objective.

Salient features of the books :

- ✦ Strictly as per the **Remodelled Scheme of Assessment**.
- ✦ **Student-friendly layout** and **multi-colour illustrations** to create interest in the subject.
- ✦ **Language** used in Activities/Projects is **simple and easy** to understand.
- ✦ **Detailed step-by-step explanation** to perform the activities.
- ✦ Activities/Projects given in CBSE/NCERT Books have been given and elaborated.
- ✦ Ample number of blank sheets for the students to record their work.

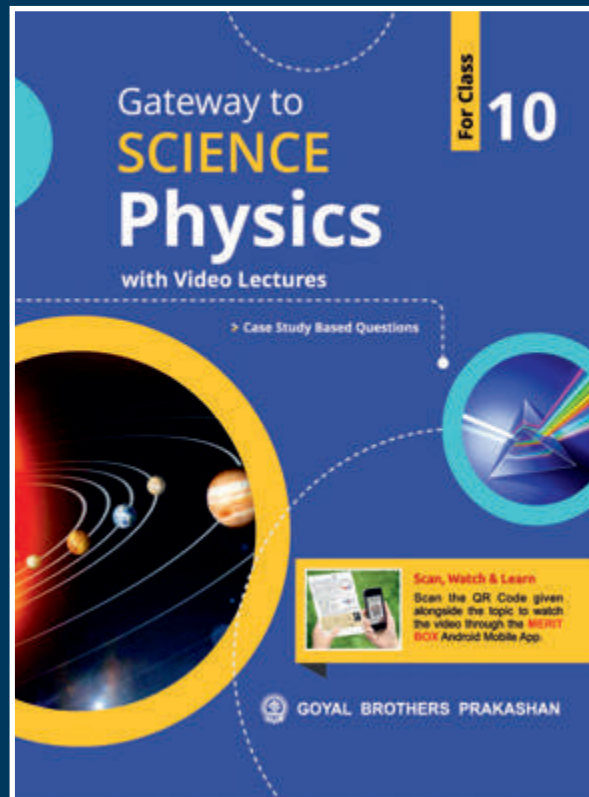
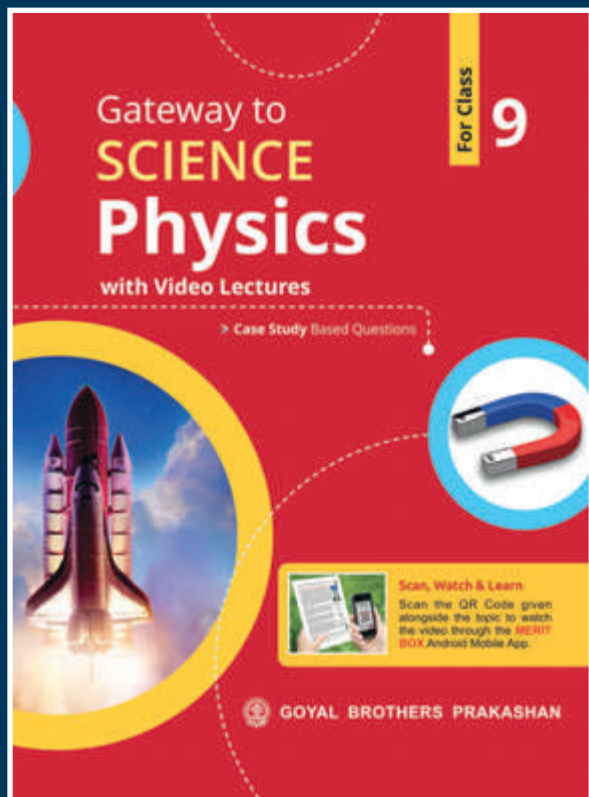


• Dr Vinod Goel

Gateway to Science—Physics for Classes 9 and 10 has been written strictly according to the latest syllabus & examination pattern prescribed by the CBSE and Textbook of NCERT, New Delhi. While preparing the books, our aim has been to promote understanding of the basic principles of Physics and at the same time, retain the excitement of the students.

Salient features of these books are :

- ✦ Strictly according to the latest CBSE syllabus, examination pattern and NCERT Textbook.
- ✦ Clear, simple and unambiguous language.
- ✦ **Labelled diagrams** and **detailed illustrations** to further clarify the concept.
- ✦ **Concepts** supplemented by suitable **day-to-day examples**.
- ✦ Topic-wise **video lectures** as a support for effective learning.
- ✦ Specimen problems with their solutions as per the examination pattern.
- ✦ Interesting and informative text under **Do you know?**
- ✦ Well-designed **exercises** to assess conceptual, reasoning, skill and application-based learning as per the latest recommendations of the CBSE board.
- ✦ **Previous years' Board Examination Questions**, included under the chapter-wise exercises. (For class 10)
- ✦ Questions of the latest **CBSE Sample Paper** added under the chapter-wise exercises.

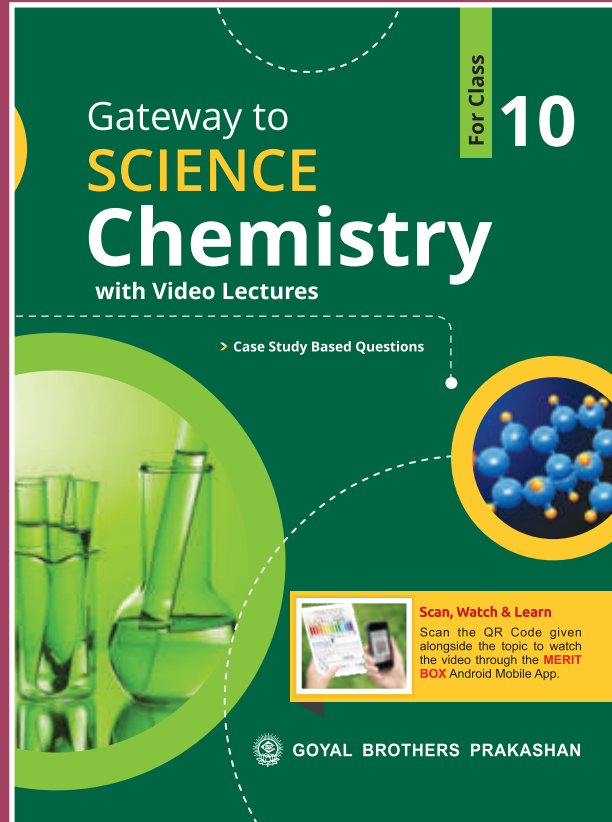
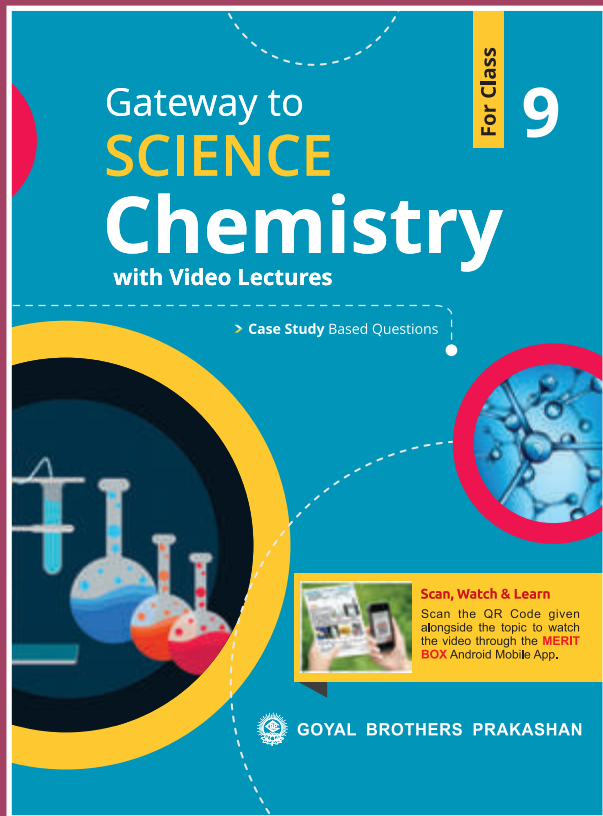


• Dr Chand Seth

Gateway to Science—Chemistry for Classes 9 and 10 has been written strictly according to the latest syllabus and examination pattern prescribed by the Central Board of Secondary Education (CBSE). While preparing the books, our aim has been to promote understanding of the basic principles of chemistry, and at the same time, retain the excitement of the students.

Salient features of these books are :

- ✦ Strictly according to the **latest CBSE syllabus, examination pattern and NCERT Textbook.**
- ✦ Topic-wise **video lectures** as a support for effective learning.
- ✦ **Sample Problems** with their solutions as asked in the examination.
- ✦ **Key Points** at the end of each chapter.
- ✦ Well-designed **exercises** to assess conceptual, reasoning, skill and application-based learning as per the latest recommendations of the CBSE board.
- ✦ Previous Years' Board Examination Questions are included in the exercise section. (For class 10)
- ✦ Comprehensive questions for each chapter are categorised into:
 - Multiple-choice questions
 - Very short answer type questions
 - Long answer type questions
 - Higher Order Thinking Skills (HOTS) questions
 - Assertion-Reason type questions
 - Short answer type questions
 - Passage and case study based questions

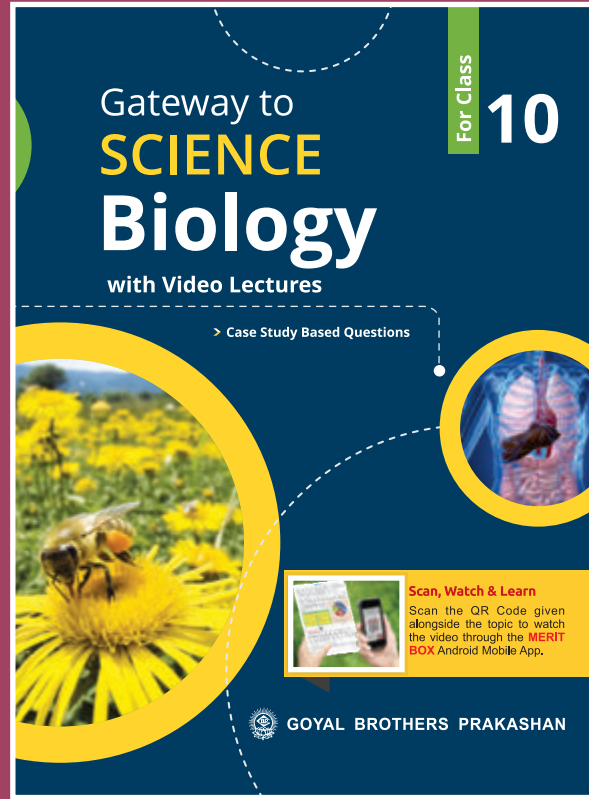
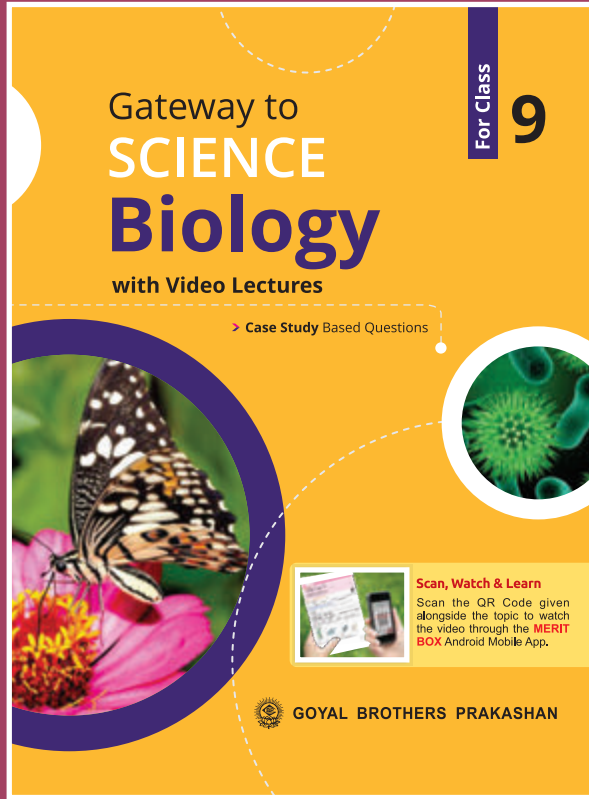


• Dr Preeti Saxena

Gateway to Science—Biology for Classes 9 and 10 has been written strictly according to the latest syllabus and examination pattern prescribed by the Central Board of Secondary Education (CBSE). While preparing these books, our aim has been to promote understanding of the basic principles of biology, and at the same time, retain the excitement of the students.

Salient features of these books are :

- ✦ Strictly according to the latest **CBSE syllabus, examination pattern** and **NCERT Textbook**.
- ✦ Topic-wise **video lectures** as a support for effective learning.
- ✦ **Sample Problems** with their solutions as asked in the examination.
- ✦ Well-designed **exercises** to assess conceptual & reasoning based skills and application-based learning as per the latest recommendations of the CBSE board.
- ✦ Glossary comprising the definitions of important terms is given at the end of books.
- ✦ Comprehensive questions for each chapter are categorised into:
 - Multiple-choice questions
 - Assertion and Reason type questions
 - Very short answer type questions
 - Short answer type questions
 - Long answer type questions
 - Higher Order Thinking Skills (HOTS) questions
 - Case study based questions



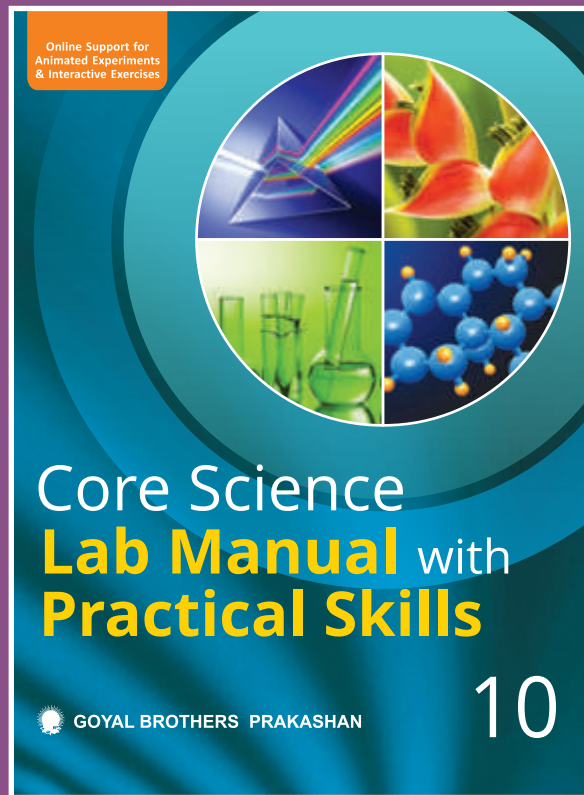
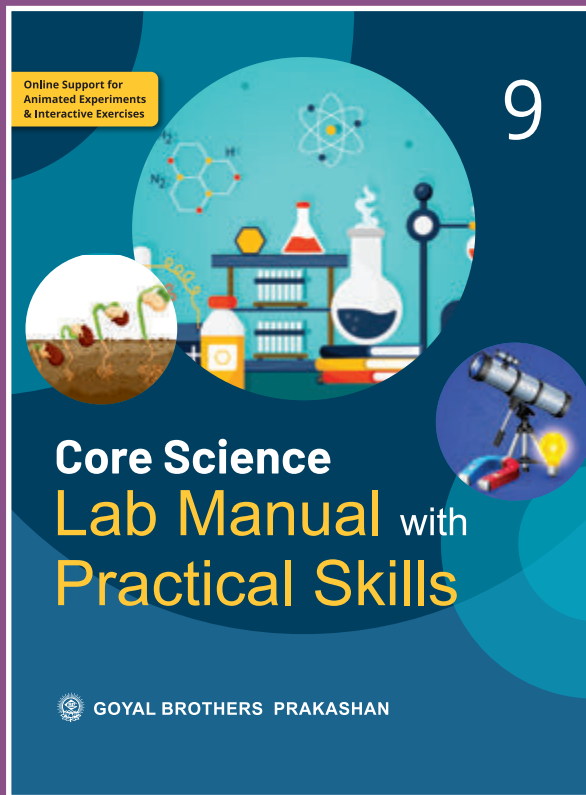
CORE SCIENCE LAB MANUAL WITH PRACTICAL SKILLS for Classes 9 and 10

• V. K. Sally • Chhaya Srivastava

The revised edition of '**Core Science Lab Manual with Practical Skills**' for **Classes 9 and 10** has been thoroughly revised, keeping in view the latest syllabus prescribed by the CBSE., New Delhi.

Salient features of these books are :

- ✘ Based on the latest CBSE Syllabus.
- ✘ **Basic concepts** are clearly explained before each experiment.
- ✘ Online support for **Animated Experiments** and **Interactive exercise** are given for effective learning.
- ✘ **Apparatus/Chemicals required** to carry out the experiments are clearly mentioned.
- ✘ **Instructions** and detailed procedure have been given, so that the students can easily perform the experiments.
- ✘ Stress has been laid on **diagrams**, which are properly labelled
- ✘ Detailed observations and calculations are given, so that students do not experience any difficulty in maintaining practical record books.
- ✘ **Precautions and Sources of Errors** are given at the end of each experiment.
- ✘ **Relevant questions with answers** are given under the heading **Viva-Voce** for each experiment.
- ✘ Suggestions are given for the teachers to modify the experiments, if there is a need to do so.
- ✘ **Practical Based Questions** have been given along with answers, at the end of each experiment.
- ✘ **Previous Years' Solved CBSE Examination Questions** based on practicals have been included. (For class 10)

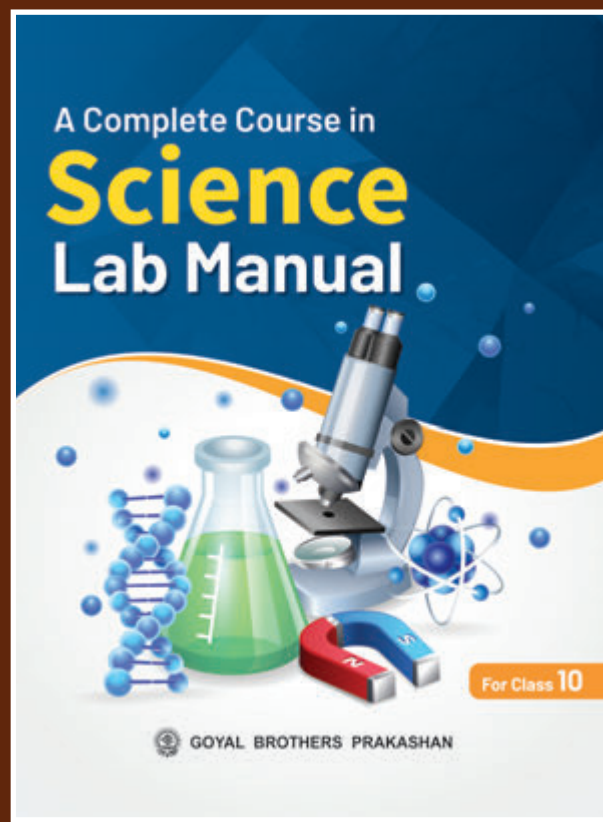
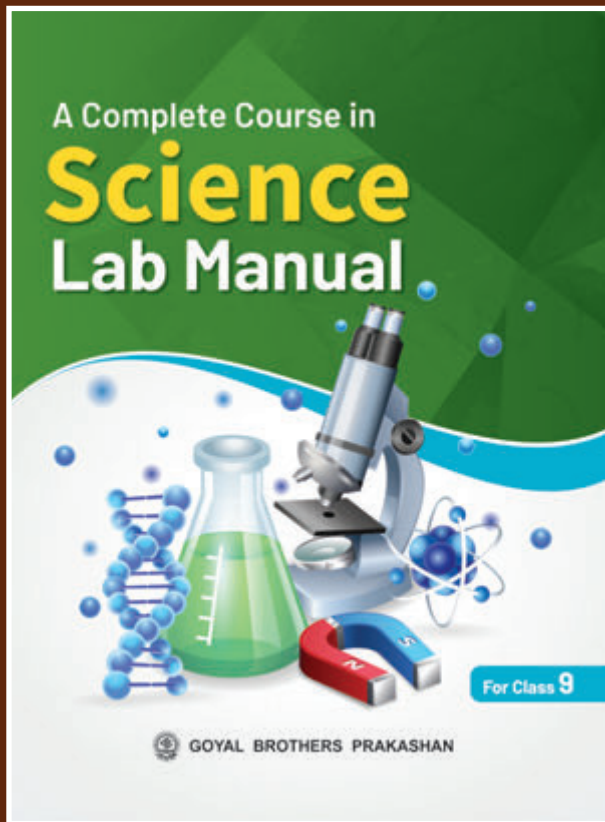


• V. K. Sally • Chhaya Srivastava

The revised edition of 'A Complete Course in Science Lab Manual' for **Classes 9 and 10** has been thoroughly revised, keeping in view the latest syllabus prescribed by the CBSE., New Delhi.

Key features of these books are :

- ✦ Based on the latest CBSE Syllabus.
- ✦ **Basic concepts** are clearly explained before each experiment.
- ✦ **Apparatus/Chemicals required** to carry out the experiments are clearly mentioned.
- ✦ **Instructions** have been given, so that the students can easily perform the experiments.
- ✦ Stress has been laid on **diagrams**, which are properly labelled.
- ✦ Detailed observations and calculations are given, so that students do not experience any difficulty in maintaining practical record books.
- ✦ **Precautions and Sources of Errors** are given at the end of each experiment.
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- ✦ **Previous Years' Solved CBSE Examination Questions** based on practicals have been included. (For class 10)

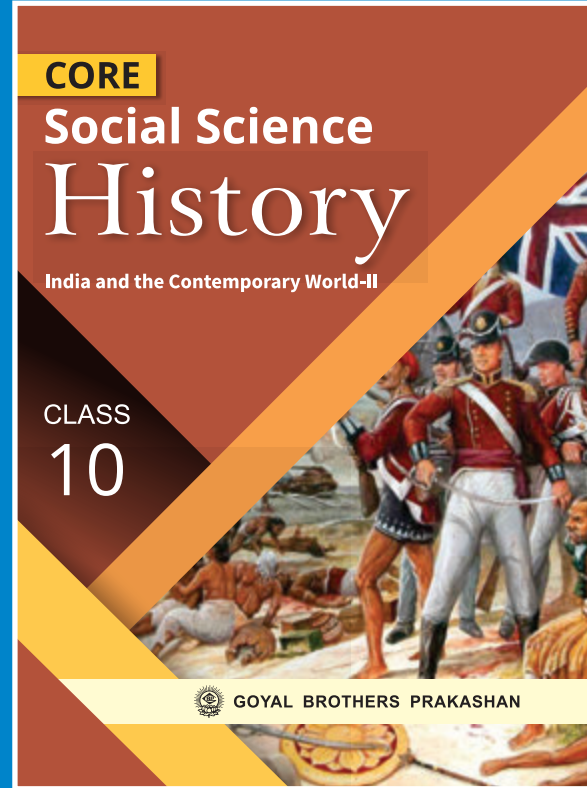
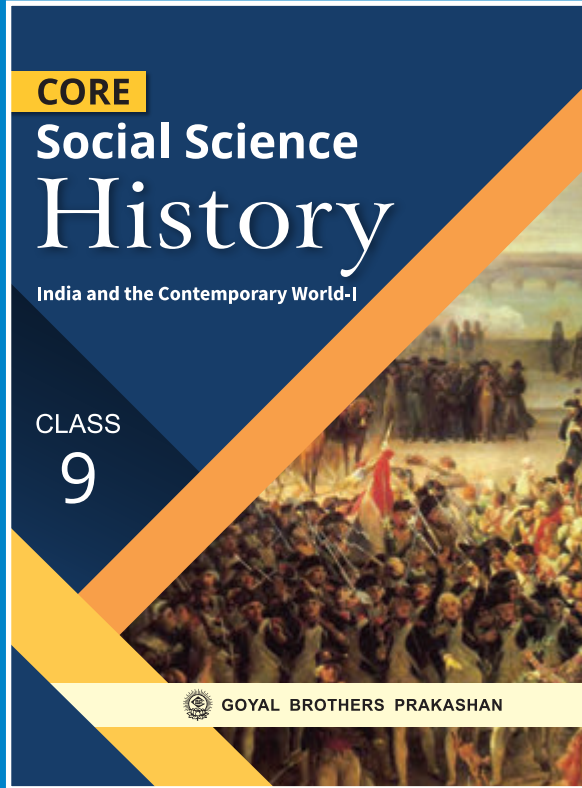


• Arun Kumar • Anu Priya

Core Social Science — History for **Classes 9 and 10** has been revised strictly according to the latest syllabus and examination pattern prescribed by the CBSE and the latest NCERT book (India and the Contemporary World-I and India and the contemporary world-II).

Salient features of these books are :

- ✦ The text matter is narrative as well as critical and extensively cover all the topics for the Board Examination.
- ✦ Simple, lucid, learner-friendly approach has been adopted to make the lessons interesting and easy to understand.
- ✦ The lessons are designed to help the learners to develop the skills of **comprehension, evaluation** and an **ability to analyse** the given matter.
- ✦ While discussing the themes, the text has been supplemented by **illustrations, images, cartoons, maps, assertion-reasons, case studies** and **extracts from a variety of original sources, official reports**, etc.
- ✦ Interesting and extra information has been added in the form of **Excerpts** and **fact file**.
- ✦ Each topic in the lesson is followed by **Let's Recapitulate** (a quick revision of important points), **Glossary** (important terms and concepts have been explained) and **Check Your Understanding** (questions for evaluation).
- ✦ Exercises at the end of every chapter have been designed as per the latest pattern of questions asked in the CBSE Board Examination. These contain **Objective Type Questions** (MCQ, Fill in the blanks, Matching, correct the following statements, picture based questions, etc.), and **Subjective Type Questions** (very short, short and long answer type questions).

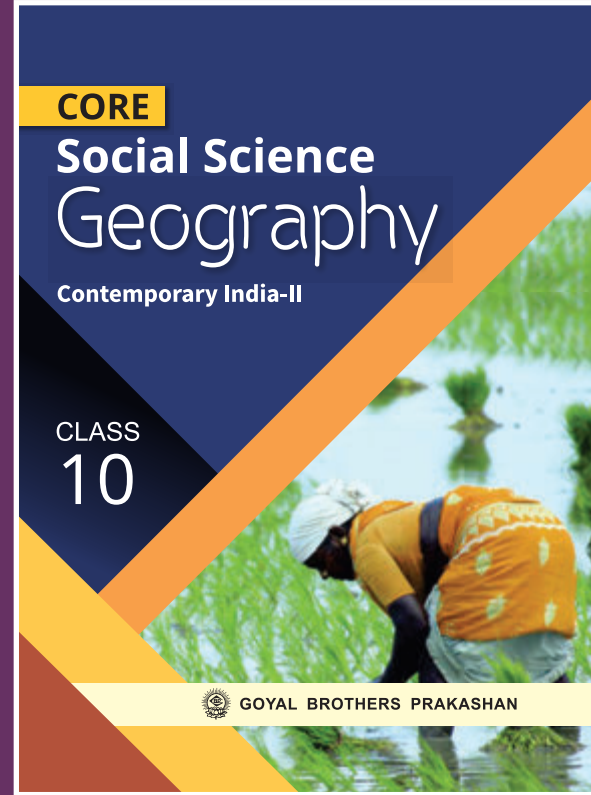
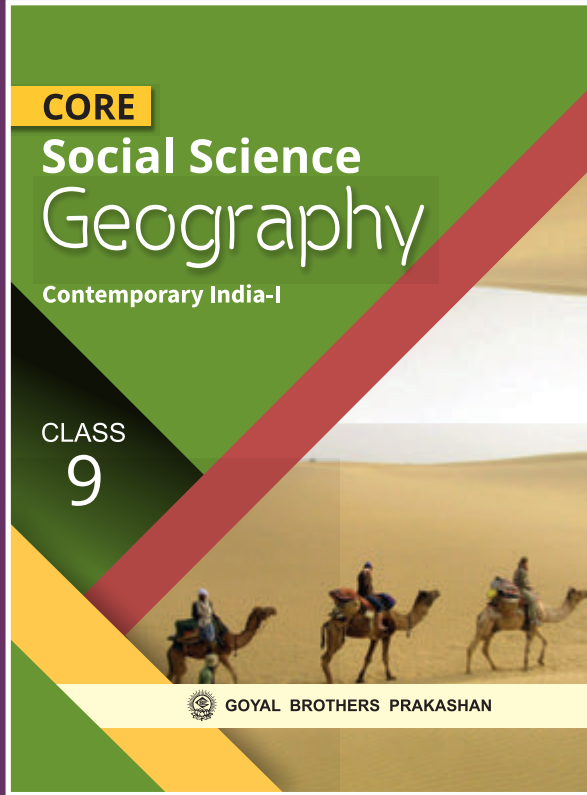


• Manju Goel • Arun Kumar • Sabir Hussain

Core Social Science — Geography for **Classes 9 and 10** has been revised strictly according to the latest syllabus and examination pattern prescribed by the CBSE and the latest NCERT book (Contemporary India-I and Contemporary India-II).

Salient features of these books are :

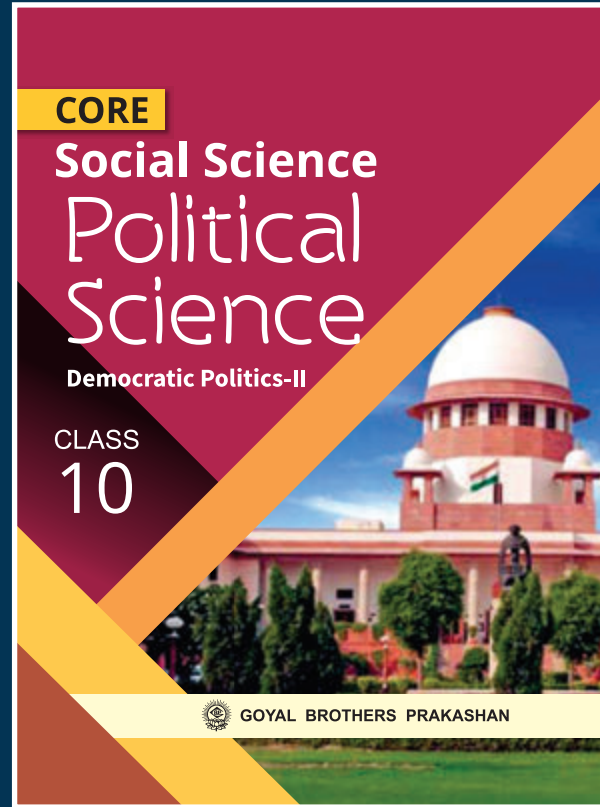
- ✦ The text matter is narrative as well as critical and extensively cover all the topics.
- ✦ **Simple, lucid, learner-friendly approach** has been adopted to make the lessons interesting and easy to understand.
- ✦ The lessons are designed to help the learners **develop the skills of comprehension, evaluation and an ability to analyse the given matter.**
- ✦ While discussing the themes, the text has been supplemented by **illustrations, images, maps, assertion-reason, case studies** and **extracts** from a variety of sources.
- ✦ Interesting and extra information has been added in the form of boxes and **Did You Know.**
- ✦ Each topic in the lesson is followed by **Let's Recapitulate** (a quick revision of important points), **Glossary** (explanation of important terms and concepts), **Check Your Understanding** (questions for evaluation).
- ✦ Exercises at the end of every chapter have been designed as per the latest pattern of questions prescribed the CBSE. These contain **Objective Type Questions** (MCQs, fill in the blanks, matching, correct the following statements etc) as well as **Subjective Type Questions** (very short, short and long answer type questions).



Core Social Science — Political Science for **Classes 9 and 10** has been revised strictly according to the latest syllabus and examination pattern prescribed by the CBSE and the latest NCERT book (Democratic Politics-I and Democratics-II).

Salient features of these books are :

- ✦ The text matter is narrative as well as critical and extensively cover all the topics.
- ✦ **Simple, lucid, learner-friendly approach** has been adopted to make the lessons interesting and easy to understand.
- ✦ The lessons are designed to help the learners to develop the skills **of comprehension, evaluation and an ability to analyse** the given matter.
- ✦ While discussing the themes, the text has been supplemented by **illustrations, images, cartoons, maps, assertion-reasons, case studies** and **extracts from a variety of original sources, official reports**, etc.
- ✦ Interesting and extra information has been added in the form of **Excerpts** and **Fact File**.
- ✦ Each topic in the lesson is followed by **Let's Recapitulate** (a quick revision of important points), **Glossary** (important terms and concepts have been explained) and **Check Your Understanding** (questions for evaluation).
- ✦ Exercises at the end of every chapter have been designed as per the latest pattern of questions prescribed by the CBSE. These contain **Objective Type Questions** (MCQ, fill in the blanks, matching, correct the following statements), and **Subjective Type Questions** (very short, short and long answer type questions).

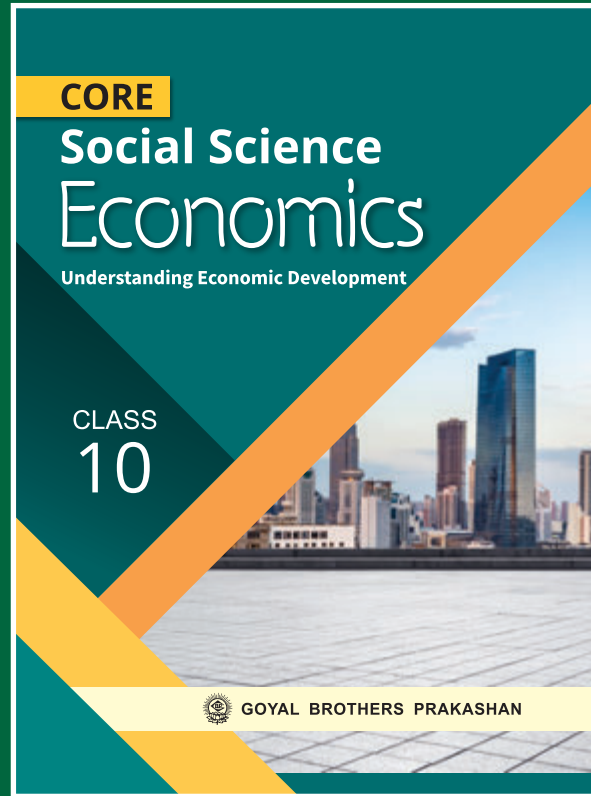
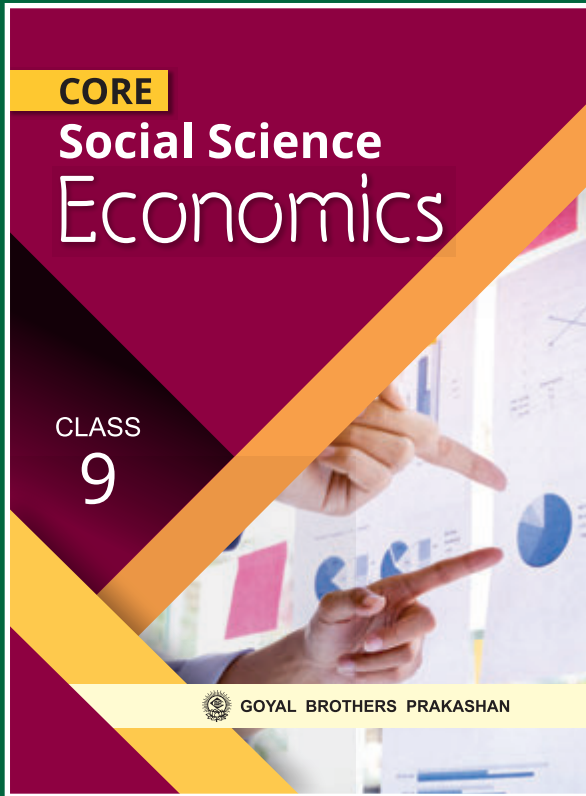


• J. P. Goel • Mrs. Kaushal Goel

Core Social Science – Economics for **Classes 9 and 10** has been revised strictly according to the latest syllabus and examination pattern prescribed by the CBSE and the latest NCERT book (Understanding Economics Development).

Salient features of these books are :

- ✦ The **text matter is narrative as well as critical and extensively covers all the topics.**
- ✦ **Simple, lucid, learner-friendly approach** has been adopted to make the lessons interesting and easy to understand.
- ✦ The lessons are designed to help the learners to **comprehend, evaluate and analyse** the matter given in an easy manner.
- ✦ While discussing the themes, the text has been supplemented by **pictures, graphs, data based tables, pie charts, flow charts, tabular & pictorial representation of data, examples and case studies from a variety of sources** wherever required.
- ✦ Interesting and extra information, life facts, important matter have been added in boxes.
- ✦ Each topic in the lesson is followed by **Let's Recapitulate** (for quick revision of important points), **Glossary** (important terms and concepts have been explained) and **Check Your Understanding** (questions for evaluation).
- ✦ Exercises at the end of every chapter have been designed as per the latest pattern of questions prescribed by the CBSE. These contain **Objective Type Questions** (MCQ, fill in the blanks, match the following, arranging in correct sequence, assertion and reasoning, find the correct option, etc.) with their answers and **Subjective Type Questions** (very short, short and long answer type questions).



• Tinku Bhattacharjee

Core Geography Map Workbooks for Classes 9 and 10 has been prepared as per the latest syllabus prescribed by the Central Board of Secondary Education, New Delhi.

These books introduce the students to a world of maps and teach them to read, interpret, locate, and mark places, physical features, and divisions, both physical and political, on the outline maps available for them in the map book.

Salient features of these books are :

- ✦ Based on **Contemporary India-I** and **Contemporary India-II** (published by NCERT).
- ✦ Contain **clear and large maps** that can be easily read and interpreted.
- ✦ **Practice maps** are provided with every map in the book.
- ✦ Each map has a story, i.e. complete information about each map is provided as a comprehensive text with it.
- ✦ Contains all the topics prescribed in the latest NCERT textbooks.
- ✦ Pinpoints all relevant locations.
- ✦ Helps to sharpen map **reading and marking skills**.
- ✦ **'Interpreting Maps'** given at the end of the book suggests activities and provides information that will help students to read and interpret maps on their own.

• Vinita Kumar • Mrs. I. L. Wanchoo

'Core History Map Workbook' for **Classes 9 and 10** has been prepared as per the latest book published by NCERT.

Maps are an important reference tool for a student of history. They help the pupils to comprehend the causes and after-effects of events and processes that have shaped the history of the contemporary world.

Our book, '**Core History Map Workbook**', initiates the students to a world of maps and teaches them to read, interpret, locate and mark places on outline maps available for them in the map workbook. It also helps them to understand important concepts and terms used for map reading and marking.

The main features of the books are :

- ✕ Based on **India and the Contemporary World - II** (published by NCERT).
- ✕ Contains clear and large maps which can be easily read and interpreted.
- ✕ **Practice maps** are provided with every map of the book.
- ✕ Each map has a story, i.e., complete information about each map is provided as a comprehensive text with it.
- ✕ Contains **all** the topics prescribed in the latest NCERT syllabus.
- ✕ Pinpoints **all relevant locations**.
- ✕ Helps to **sharpen map reading** and **marking skills**.

Core History MAP WORKBOOK

For Class
IX

- India and the Contemporary World-I



GOYAL BROTHERS PRAKASHAN

Core HISTORY MAP WORKBOOK

For Class X

- India and the Contemporary World – II



Based on the latest C.B.S.E., New Delhi syllabi



GOYAL BROTHERS PRAKASHAN

• Sayan Banerjee • Rashi Bansal

The series **Textbooks of Computer Applications** for **classes 9 and 10** consists of chapters related to the Internet, HTML as the language of the web pages, discussion of cyber ethics and programming concepts through tools like **Scratch 2 and Python 3.7.1**.

The main features of the series are as follows :

- ✦ **Chapter Outlines:** Gives the important topics that come up in teaching of the chapter.
- ✦ **Definition:** Defines some important terms related to the current topic.
- ✦ **Do You Know:** Provides some extra information that might be of interest to the students.
- ✦ **Know More:** Gives some extra guidance for the young minds.
- ✦ **Top Tip:** Gives important shortcuts that will help in running the software.
- ✦ **Fact:** Gives some historical fact related to the ongoing material of the chapter.
- ✦ **Remember:** Gives some important idea about the current topic.
- ✦ **Checkpoint:** Tests the student's understanding of the learned topic through Multiple choice questions, Fill in the blanks, State whether True or False or Very short answer questions.
- ✦ **Activity:** Teaches concepts to the students through hands-on approach.
- ✦ **Value Words:** Stands out some important words with their definition as given in the chapter.
- ✦ **Let's Recall:** Gives a brief summary of the topics being taught in the chapter.
- ✦ **Question Bank:** Includes previous year questions with their corresponding answers.

As per the latest CBSE syllabus.

For Class IX

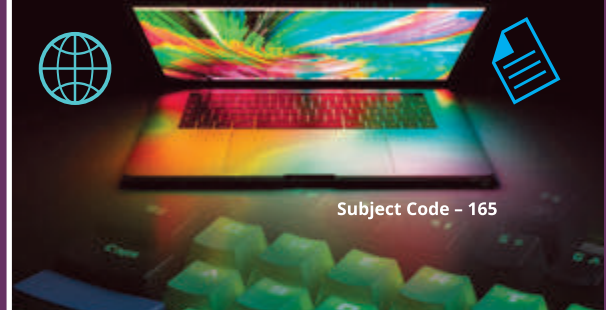


GOYAL BROTHERS PRAKASHAN

As per the latest CBSE syllabus

A Textbook of
**COMPUTER
APPLICATIONS**

For Class X



Subject Code - 165



GOYAL BROTHERS PRAKASHAN

• Sayan Banerjee • Rashi Bansal

The Practical books of the Computer Applications course for Classes 9 and 10 are strictly in accordance with the latest syllabus of the **Central Board of Secondary Education (CBSE), New Delhi**. The practical part covers 50 marks. From this, you can conclude that practical part is very important for getting a good final grade in school exams. Based on the syllabus, we have divided these Practical books into three sections as discussed below.

The main features of the series are as follows :

- ✦ **Lab Test:** This section tests the technical skills of the students based on the topics, HTML, Scratch and Python.
- ✦ **Report File with Viva-Voce:** This section contains assignments from HTML, Scratch and Python. An ample number of examples have been included from these topics in the section. A total of 22 assignments have been included from within the aforementioned topics from the syllabus. There are 14 assignments from HTML, 4 from Scratch and 4 from Python. This section also contains **viva voce questions** related to each assignment. For each assignment in this section, four or five questions (along with their answers) have been included to test the student's knowledge of problem. This part consists of 10 marks out of the practical part.
- ✦ **Projects:** This section contains projects, related to Internet, HTML, Scratch and Python. There are five solved projects in this section. Apart from solved projects , 5 other unsolved projects have also been given. This part consists of 10 marks out of the practical part.

For Class IX

As per the latest CBSE syllabus for
Academic Year 2018-19 and onwards



Computer Applications Practical Book

Subject Code - 165



GOYAL BROTHERS PRAKASHAN

For Class

X

As per the Latest Curriculum prescribed
by the Central Board of Secondary
Education, New Delhi

Computer Applications Practical Book

Subject Code - 165



GOYAL BROTHERS PRAKASHAN

Employability Skills are soft skills that are required by the employer in the employee. These skills equip the employees with ability to do their job to the best of their ability. These books will enrich the learners' soft skills by knowing how to communicate in clear and concise language. This will help the people to maintain a better relationship with the client or the customer.

Keeping this in mind, **A Textbook of Employability Skills for Classes 9 and 10** has been developed as per the latest syllabus and examination pattern prescribed by the CBSE. This part gives an important component of the knowledge of students for landing jobs and doing well at it. The language in the book is deliberately kept to be reader-friendly, allowing easy accessibility and grasp of knowledge.

This part consists of the units **Communication Skills, Self-Management Skills, ICT Skills, Entrepreneurial Skills** and **Green Skills**.

- ✦ **Communication Skills** inculcates the knowledge related to speaking styles, ways of self-expression and attitude towards others.
- ✦ **Self-Management Skills** deals with skills to manage your mind and focus and how to de-stress yourself.
- ✦ **ICT Skills** deals with computer and Internet related basic knowledge that lets you do computer-based work.
- ✦ **Entrepreneurial Skills** helps to learn how to become an entrepreneur and a business leader and the qualities they possess.
- ✦ **Green Skills** helps to develop those skills needed to adapt products, services and processes to climate change and the related environmental requirements and regulations. Green Skills talks about goals set by countries around the world in order to achieve **Sustainable Development Goals** known as **Agenda 2030**.

As per the Latest Skill Education Curriculum prescribed
by the Central Board of Secondary Education, New Delhi

For Class 9

A Textbook of **Employability Skills**

- Communication Skills
- Self-Management Skills
- Information and Communication
Technology (ICT) Skills
- Entrepreneurial Skills
- Green Skills



 GOYAL BROTHERS PRAKASHAN

As per the Latest Skill Education Curriculum prescribed
by the Central Board of Secondary Education, New Delhi

For Class 10

A Textbook of **Employability Skills**

- Communication Skills
- Self-Management Skills
- Information and Communication
Technology (ICT) Skills
- Entrepreneurial Skills
- Green Skills



 GOYAL BROTHERS PRAKASHAN

• Sayan Banerjee • Swati Goel • Rashi Bansal • Prof. (Dr.) Shalini Verma

A Textbook of Information Technology for Classes 9 and 10 (with Video Lectures) fulfils all the needs and requirements of the latest syllabus and examination pattern prescribed by the CBSE.

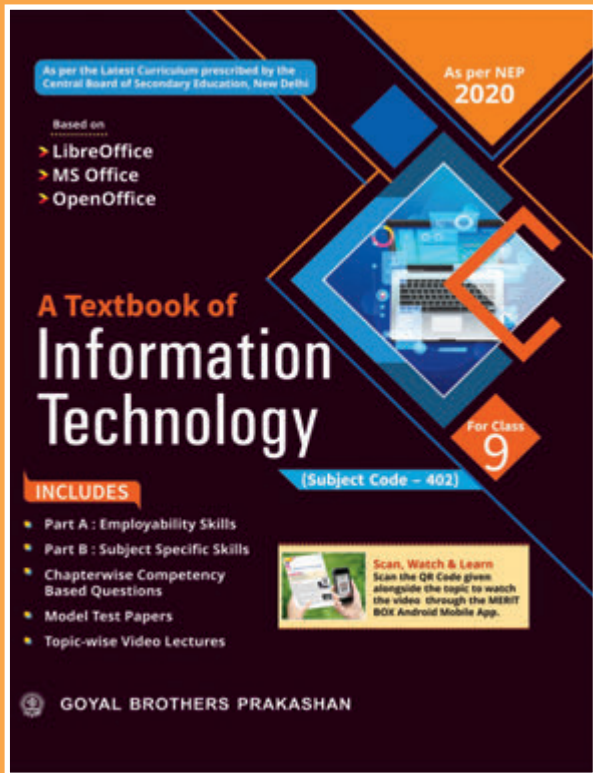
These books are divided into two sections :

- ✦ **Part A** deals with the **Employability Skills** with units names, **Communication Skills, Self-Management Skills, Basic ICT Skills, Entrepreneurial Skills** and **Green Skills**.
- ✦ **Part B** deals with **Subject Specific Skills** with units on **Digital Documentation, Electronic Spreadsheet, Database Management System** and **Web Applications and Security**. It has been given in three different software suites.

The units from Part A and Part B has been divided into the following parts:

- ✦ **Introduction:** It introduces you to the topic of the unit. It also tells you what you will learn through the various topics covered in the unit.
- ✦ **Sessions:** It contains relevant information on the session headings. The knowledge developed through sessions will enable you to perform certain activities.
- ✦ **Self Assessment:** At the end of all topics under a session heading, self assessment is given to evaluate the knowledge of the learners.
- ✦ **Exercises:** At the end of each unit, exercises are included to test the understanding of the matter read over the various topics. This section consists of **MCQ's, Short Answer Questions I & II, Long Answer Questions** and **Practical Work**.

Video Lectures – Unit-wise and session-wise video lectures are given for these books.



Subject Code - 402

• Sayan Banerjee • Rashi Bansal • Swati Goel

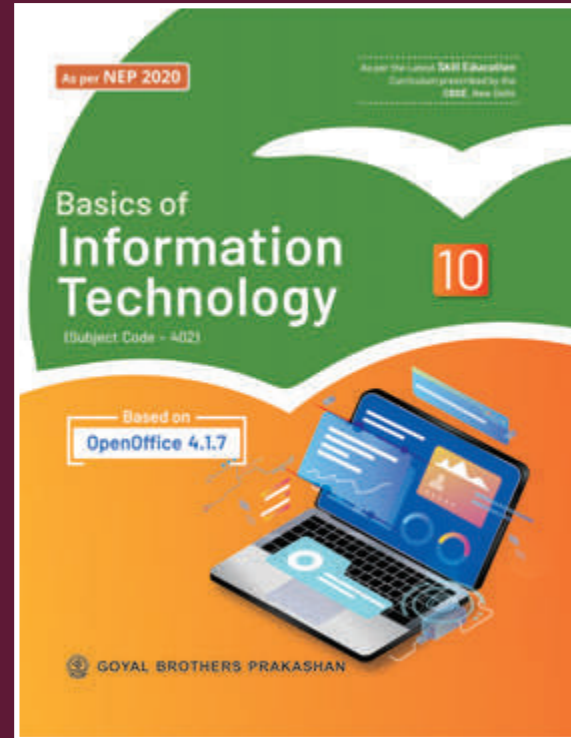
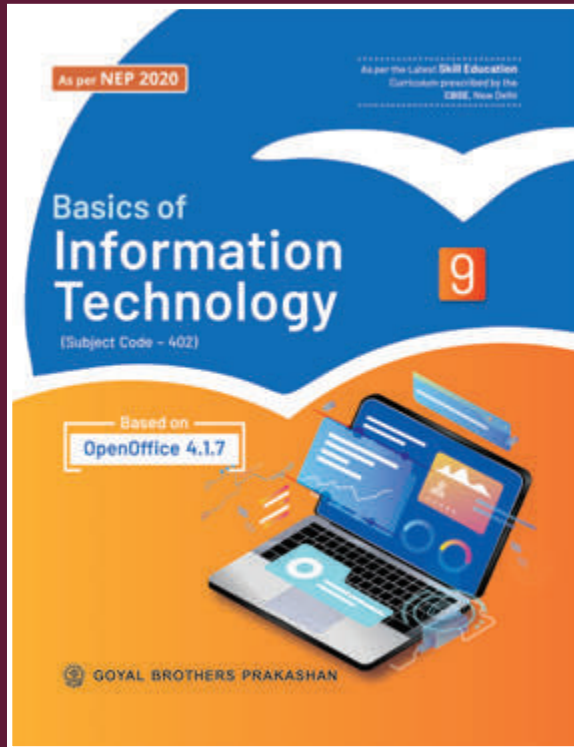
Based on OpenOffice

Basics of Information Technology for **Classes 9 and 10** fulfils all the needs and requirements of the latest syllabus released by the CBSE and it also comprises the recommendations of the National Education Policy 2020 which focusses on the development of critical thinking, life skills, problem solving skills, experiential learning, computational thinking, etc.

These books are divided into two sections :

- ✦ **Part A** deals with the **Employability Skills** with the unit names, **Communication Skills, Self-Management Skills, ICT Skills, Entrepreneurial Skills** and **Green Skills**.
- ✦ **Part B** deals with the **Subject Specific Skills** and it consists of four units. These units are **Digital Documentation, Electronic Spreadsheet, Database Management System** and **Web Applications and Security**.
- ✦ The first three units of **Part B** are based on **OpenOffice** suite of software. The version of this application used is **OpenOffice 4.1.7**. The units of Part B respectively use the **Writer, Calc** and **Impress software**.

Video Lectures – Unit-wise and session-wise video lectures are given for these books.



Subject Code - 402

• Anju Gupta • Rashi Bansal • Sayan Banerjee • Swati Goel

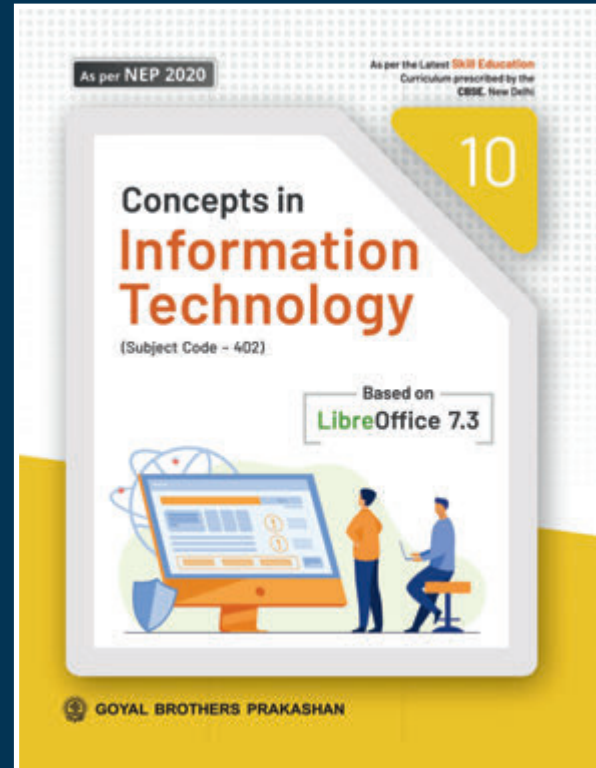
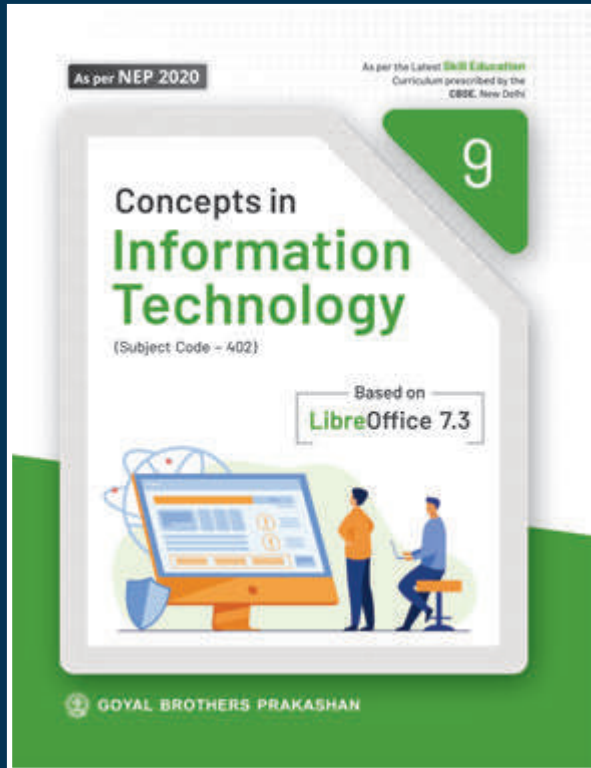
Based on LibreOffice

Concepts in Information Technology for **Classes 9 and 10** fulfils all the needs and requirements of the latest syllabus released by the CBSE and it also comprises the recommendations of the National Education Policy 2020 which focusses on the development of critical thinking, life skills, problem solving skills, experiential learning, etc.

These books are divided into two sections :

- ✦ **Part A** deals with the **Employability Skills** with unit names, **Communication Skills , Self-Management Skills, ICT Skills, Entrepreneurial Skills** and **Green Skills**.
- ✦ **Part B** deals with the **Subject Specific Skills** and it consists of four units. These units are **Digital Documentation, Electronic Spreadsheet, Database Management System** and **Web Applications and Security**.
- ✦ The first three units of **Part B** are based on **LibreOffice** suite of software. The version of this application used is **LibreOffice 7.3**. These units of Part B respectively use the **Writer, Calc** and **Impress software**. In Class 10, an additional software, Base, is used.

Video Lectures – Unit-wise and session-wise video lectures are given for these books.



Subject Code - 402

• Sayan Banerjee • Rashi Bansal • Swati Goel

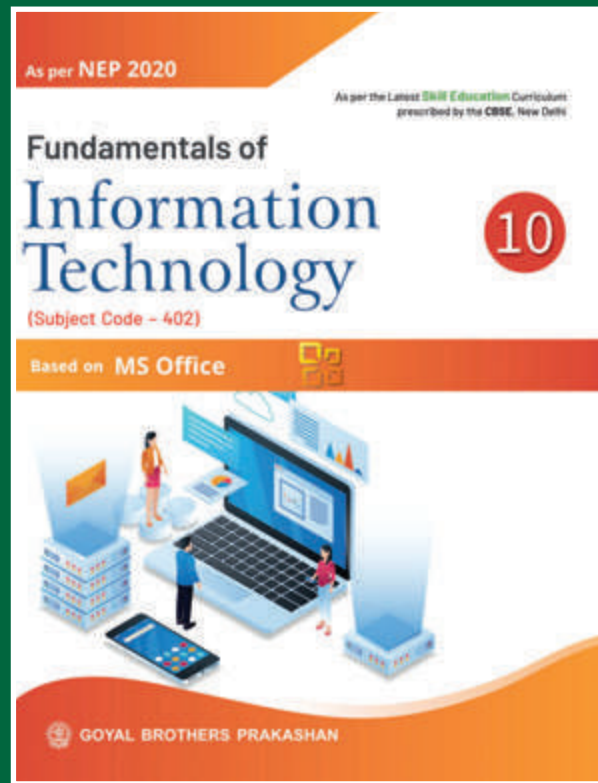
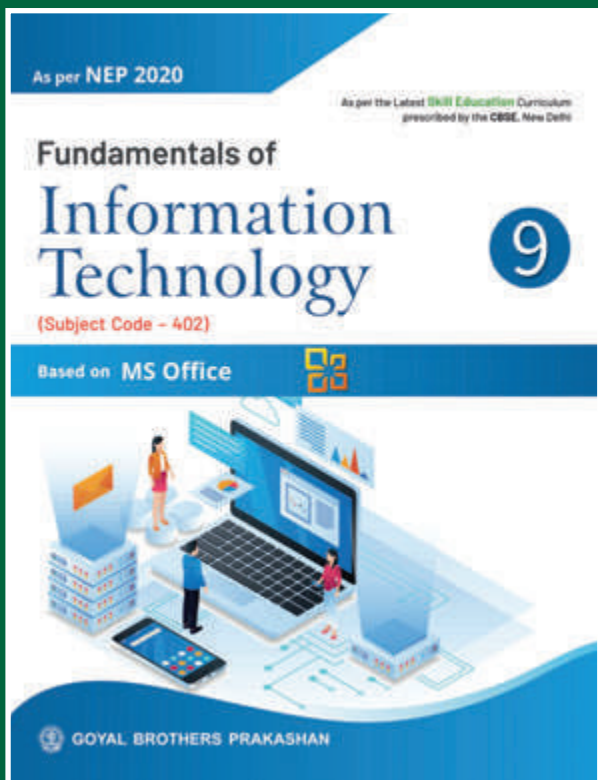
Based on MS Office

Fundamentals of Information Technology for **Classes 9 and 10** fulfils all the needs and requirements of the latest syllabus released by the CBSE and it also comprises the recommendations of the National Education Policy 2020 which focusses on the development of critical thinking, life skills, problem solving skills, experiential learning, etc.

These books are divided into two sections :

- ✦ **Part A** deals with the **Employability Skills** with the unit names, **Communication Skills, Self-Management Skills, ICT Skills, Entrepreneurial Skills** and **Green Skills** .
- ✦ **Part B** deals with the **Subject Specific Skills** and it consists of four units. These units are **Digital Documentation, Electronic Spreadsheet, Database Management System** and **Web Applications and Security**.
- ✦ The first three units of **Part B** are based on **MS Office** suite of software.

Video Lectures – Unit-wise and session-wise video lectures are given for these books.



Subject Code - 402

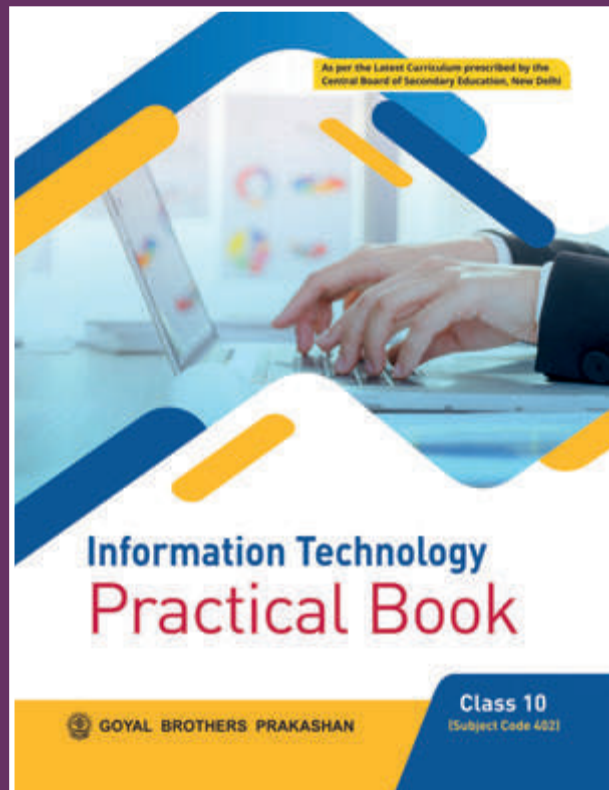
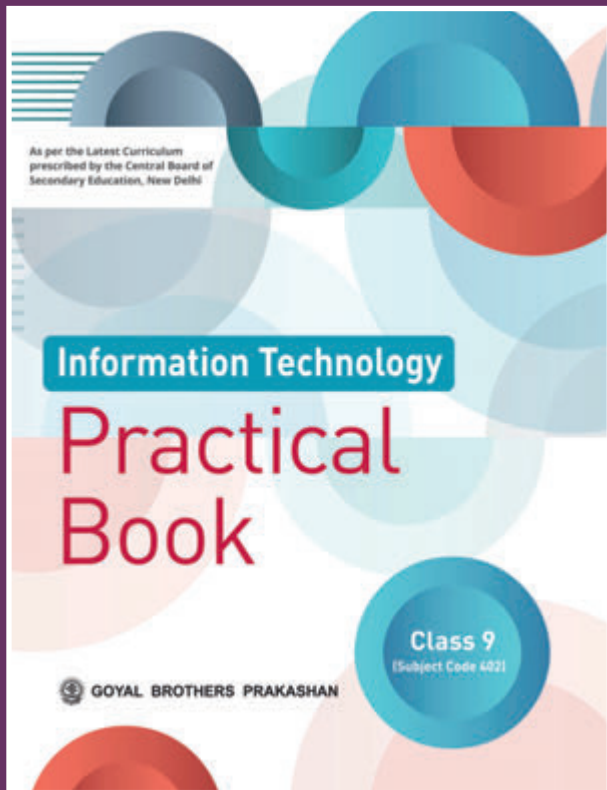
• Sayan Banerjee • Swati Goel • Rashi Bansal

The study of **Information Technology** for **Classes 9 and 10** at this level gives basic understanding of computer system and networking. Practical work in this subject enables the learner to:

- ✦ Work on office tools such as word processor, spreadsheets and presentation software. These office tools are based on LibreOffice suite. Word processor is LibreOffice Writer, Spreadsheet is LibreOffice Calc and Presentation Software is LibreOffice Impress.
- ✦ Apply knowledge and practice on Office tools to develop IT applications.

These books have been divided into two sections :

- ✦ **Part C:** It contains practical work. This part is further divided into two parts. They are:
 - **C1** – Practical Examination with Viva-Voce: This section contains assignments for practical work. It has assignments from data entry and keyboarding skills, digital documentation, electronic spreadsheet and digital presentation.
 - **C2** – Written Tests: These are written tests based on the entire syllabus, i.e. **Employability Skills** and **Subject Specific Skills**. It allows learners to demonstrate that they have the knowledge and understanding of a given topic.
- ✦ **Part D:** It contains Project Work/Field Visit. This section is a great way to assess the practical skills on a certain time period of timeline. Teacher should periodically monitor the progress of the project and provide feedback for improvement and innovation. Field visits should be organised as a part of this project work.



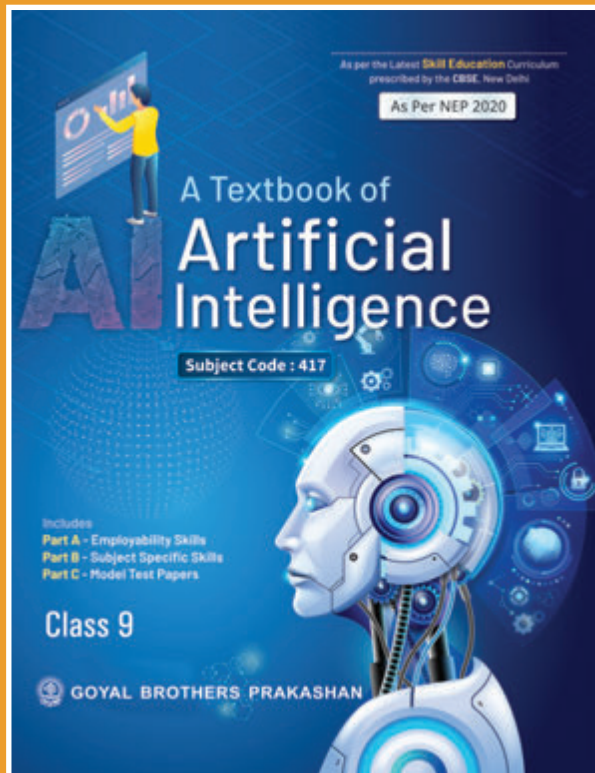
Subject Code - 402

• Hema Dhingra • Prof. (Dr.) Shalini Verma

A Textbook of Artificial Intelligence for **Classes 9 and 10** fulfils all the needs and requirements of the latest syllabus released by the CBSE and it also comprises the recommendations of the National Education Policy 2020 which focusses on the development of critical thinking, life skills, problem solving skills, experiential learning, etc.

These books are divided into two sections :

- ✦ **Part A** deals with the **Employability Skills** with the chapters names, **Communication Skills, Self-Management Skills, ICT Skills, Entrepreneurial Skills** and **Green Skills**.
- ✦ **Part B** deals with the **Subject Specific Skills** and it consists of seven units. These chapters are **Introduction to Artificial Intelligence, AI Project Cycle, Advance Python, Data Science, Computer Vision, Natural Language Processing and Evaluation**.
- ✦ The exercises part is given at the end of each chapters. This consists of **MCQs, Fill in the blanks, True or False, Match the following, Answer the following and Practice based questions**.
- ✦ The units are equipped with many facts in the form of **Did You Know**.
- ✦ A complete **Recap** is given at the end of each chapters for a thorough revision along with the explanation of the **Key Terms**.



Subject Code - 417

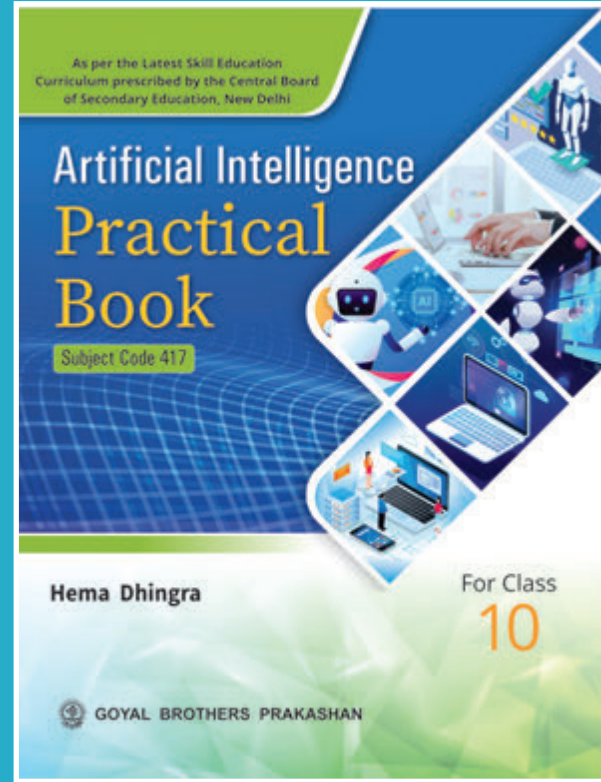
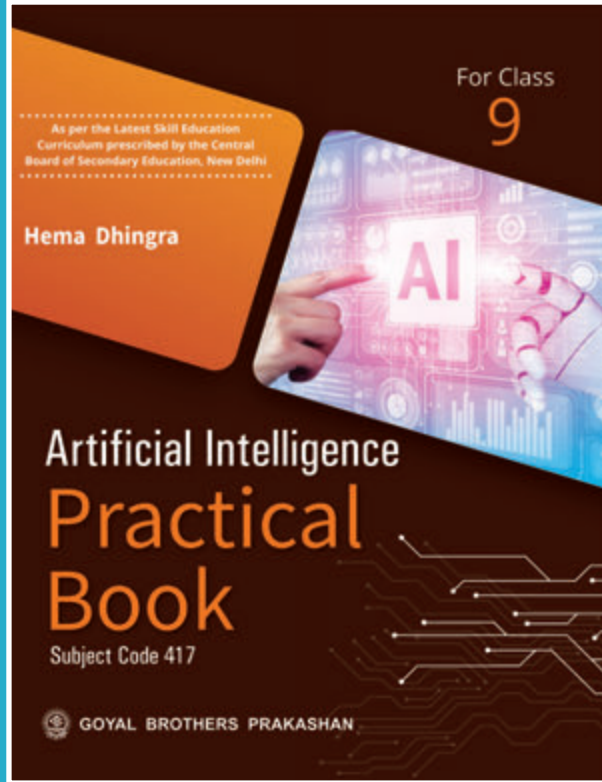
• Hema Dhingra

Python is the preferred programming language in most AI applications. This language has a short expression, and many complex problems can be solved in Python in just a few lines. The syllabus of the **Classes 9 and 10 AI curriculum** also lays down that Python be taught along with AI. So, the student must be well aware and skilled in Python. In particular, **Data Science and Computer Vision** are stated as project heads in the syllabus.

The CBSE has allotted a sizeable 50 marks out of 100 for the practical part alone. Keeping this in mind, we have come out with the books, **Artificial Intelligence - Practical Books**.

These books are divided into two sections :

- ✦ In the **First Part** (known as **Part C**), various Python problems with solutions are given. The set of programs are very informative and will test the skills of the student. Additionally, some of the **Data Science** and **Computer Vision projects** are also covered in this part.
- ✦ **Part D** or the next part of the book contains other projects written entirely in Python.
- ✦ **AI Project cycle** is also another topic dealt with in **Part D**. It has various stages of an AI Project, like Problem Scoping, Data acquisition, Data visualization/exploration and the Modelling stage.
- ✦ The final stage of the project, which is the evaluation, is covered in the next section.
- ✦ Evaluation stage has various metrics for a project like accuracy, recall, precision, F1 score and confusion matrix.



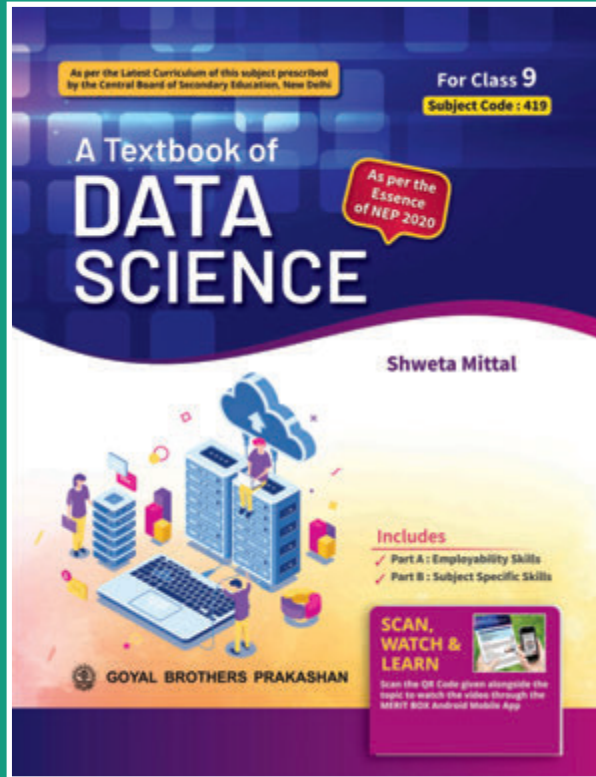
Subject Code - 417

• Shweta Mittal • Prof. (Dr.) Shalini Verma

A Textbook of Data Science for **Classes 9 and 10** is developed in accordance with the latest syllabus prescribed by the CBSE. Each book covers all the aspects of understanding Data Science as mentioned in the syllabus. **Data Science** is one of the most popular emerging domains that will enable the learners to transform raw data into understanding, knowledge and insight. Data Science is revolutionising almost every industry and gaining popularity day by day. Data Science enables enterprises to measure, track and record performance metrics for facilitating decision-making. This field is widely used in various industry domains, including marketing, healthcare, finance, banking, policy work, etc. With its footprint in every industry, Data Science job demand is estimated to rise several-fold in the future. The importance of Data Science is growing with every coming day.

These books are divided into two parts :

- ✦ **Part A** consists of chapters on **Employability Skills**.
- ✦ **Part B** consists of **Subject Specific Skills** containing the fundamentals of **Data Science** related knowledge.
- ✦ Each book in the series gives the concepts in a very simple language with easy to understand examples adapted from day-to-day life.
- ✦ Relevant figures and additional information have been provided in the form of **Did You Know**.
- ✦ In the midst of the chapter, the students can assess themselves and challenge their understanding with the help of **Check Your Knowledge** and **Practical based activities**.
- ✦ At the end of every chapter, **Multiple-choice-questions, Fill in the blanks, True/False** as well as **Short and Long answer questions** are given.



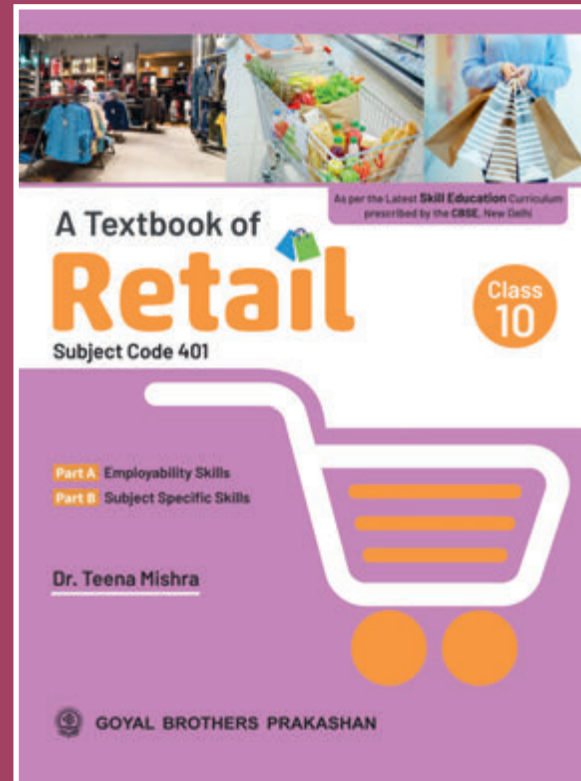
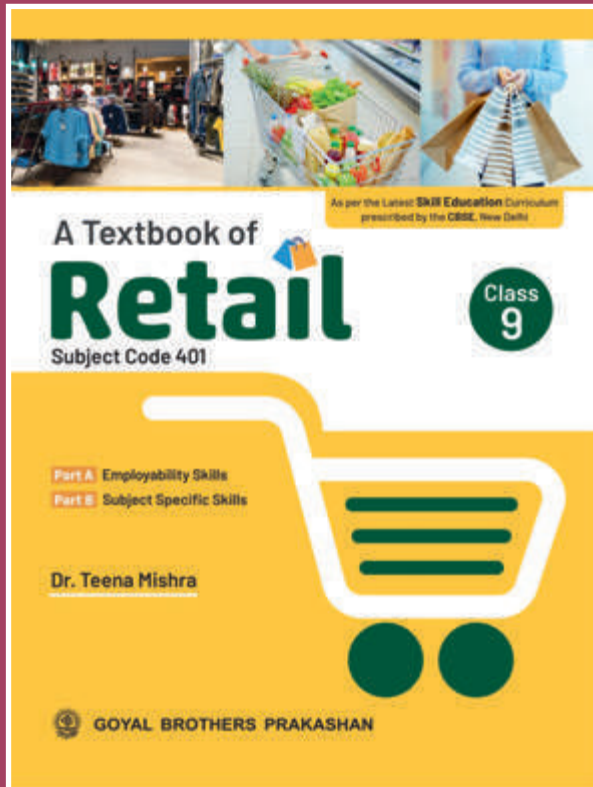
Subject Code - 419

• Dr. Teena Mishra • Sayan Banerjee • Rashi Bansal • Prof. (Dr.) Shalini Verma

India's retail market has undergone a significant transformation and is set to grow exponentially in the coming years. **A Textbook of Retail** is designed and developed to facilitate the job role of **Store Operation Assistant**. It provides learners with the necessary skills and knowledge through practice, experience, and applications in day-to-day business. It has been developed as per the latest syllabus and examination pattern prescribed by the CBSE. The objectives of this job role are to deliver products and services to the customers, maintain sufficient stock levels, sustain health and safety, and work effectively in a team as well as in the organisation. Consumers have become more aware of the practices in the retail sector as a result of the development of modern merchandising strategies and the establishment of large retail companies.

These books are divided into two parts :

- ✦ **Part A** deals with the **Employability Skills**, with the unit names, **Communication Skills – II, Self-Management Skills – II, ICT Skills – II, Entrepreneurial Skills – II** and **Green Skills – II**.
- ✦ **Part B** which deals with the **Subject Specific Skills** comprises of four units. Each unit has four sessions. Each unit deals with one of the fundamental that every retailer needs to understand and gives an in-depth and enriched insight into all the functional areas of the retail. The units have been written comprehensively for easier understanding of the learners.
- ✦ Every session in each unit has its accompanying **Activity** and **Practical Exercise**. Also, each unit ends with a **Self Assessment** consisting of **Multiple Choice Questions, Short Answer Questions** and **Long Answer Questions** that help in assessing the students' learning.



Subject Code - 401

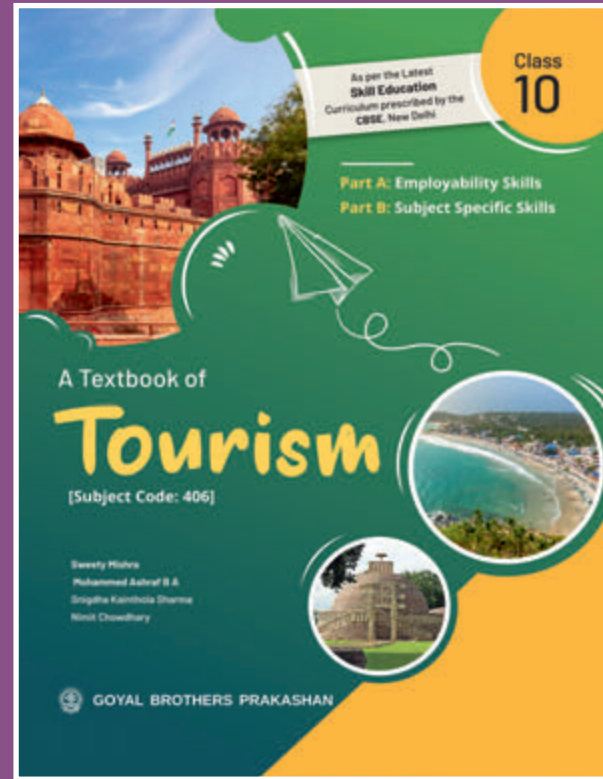
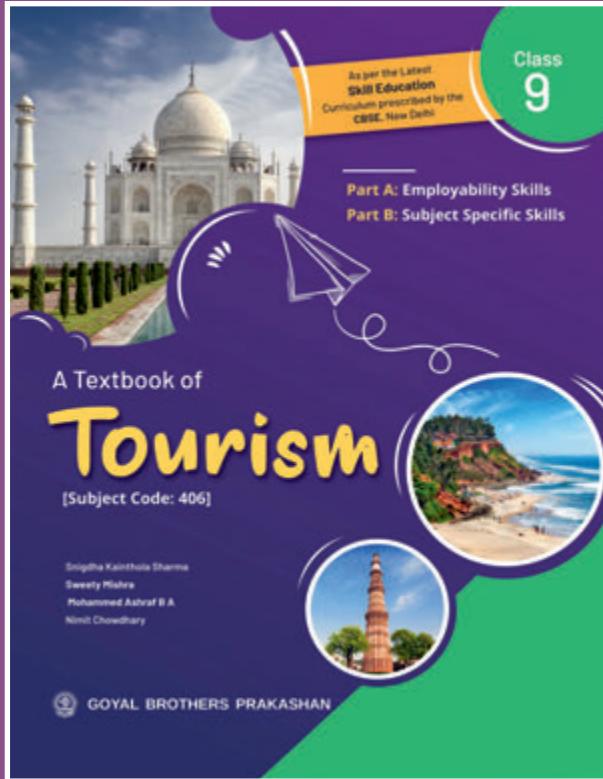
• Singdha Kainthola • Sweety Mishra • Mohammad Ashraf BA • Nimit Chowdhary

Tourism has grown significantly in the last decade. Tourism is the world's largest and fastest-growing industry and also the largest source of income and employment. **A Textbook of Tourism for Classes 9 and 10** is designed to facilitate the job role of **Travel Agent/Tour Operator**. These books have been developed as per the latest syllabus and examination pattern prescribed by the CBSE.

These books will teach the learners about different types of tourism, tourism's social, economic and cultural impact, tourism organisations, tourism businesses, and tourism products as well as necessary soft skills. It provides knowledge about those soft skills required for this industry. The language in the books is deliberately kept to be reader-friendly, allowing easy accessibility and grasp of knowledge.

Each unit is divided into the following parts :

- ✦ **Introduction:** It introduces the unit's topic and learning objectives.
- ✦ **Relevant Knowledge:** This part will help the learners to know the relevant information on the topic(s) covered in the unit. The knowledge developed through this part will enable the learners to perform certain activities.
- ✦ **Exercises:** The various questions included in this part of the unit will help the learners to check their understanding of the topics learned. Each unit ends with **Summary, Glossary and Assignment**. Assignment consists of **Fill in the Blanks, True or False, Short Answer Questions and Long Answer Questions**.



Subject Code - 406

• J. K. Jain • R. S. Dhauni • B. B. Bhatnagar

The present series of books, 'Know Your Aptitude' for **Classes 9 and 10** covers all aspects of aptitude testing required at these levels. Each book has been divided into two units, namely **General Aptitude Test** and **'Scholastic Aptitude Test'**.

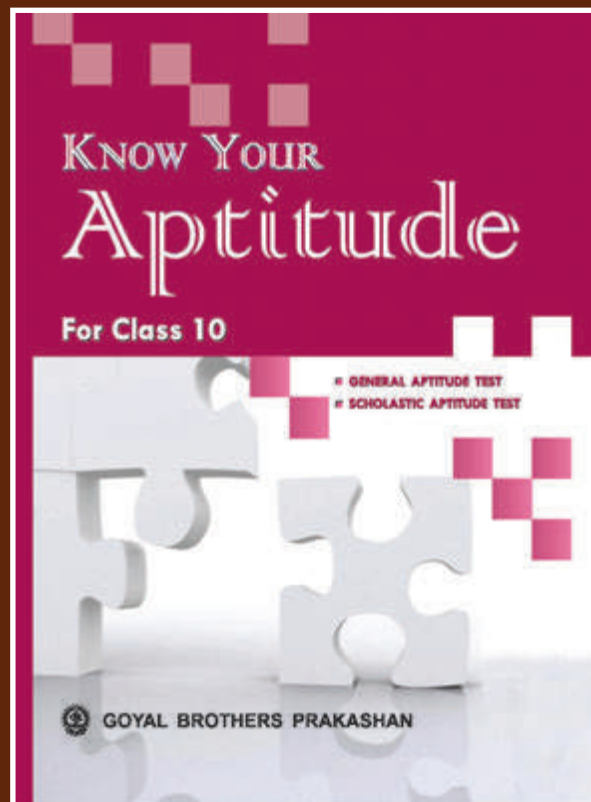
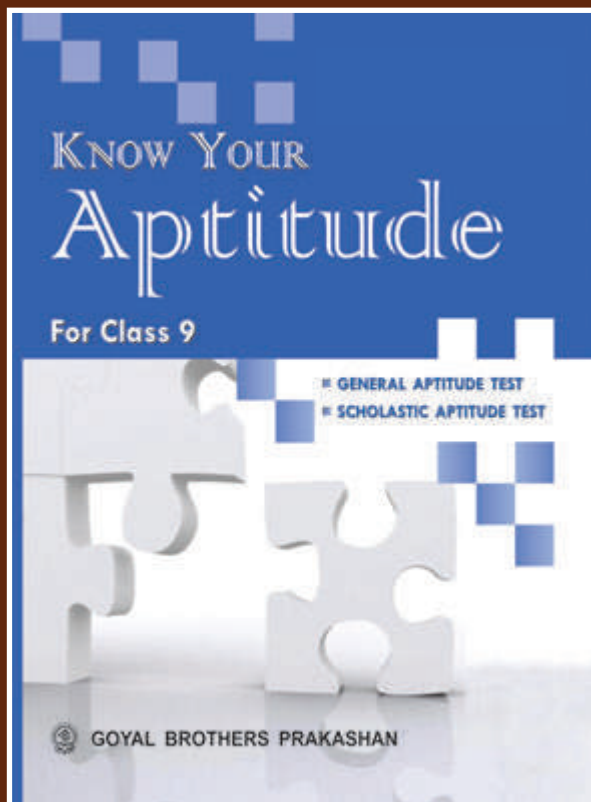
✦ **General Aptitude Test** comprises the following topics :

- Visual Reasoning
- Verbal Analysis
- Spatial Recognition
- Systems
- Aptitude Profiling and Selection of Subjects
- Numerical Reasoning
- Sequential Reasoning
- Three-D
- Vocabulary
- Aptitude Tests

✦ **Scholastic Aptitude Test** comprises four Scholastic Aptitude Tests in each of the following subjects :

- Mathematics
- Science
- Social Science
- English

By working through these tests, the learner can build an Aptitude Profile. In other words, these books are of great use in selecting the right subject for further study.



• I. L. Wanchoo • Neelam Bajaj

Our two books, **Learning Life Skills with Attitude and Values** for **Classes 9 & 10** are meant to assist teachers in teaching and assessing Life Skills with Attitudes and Values.

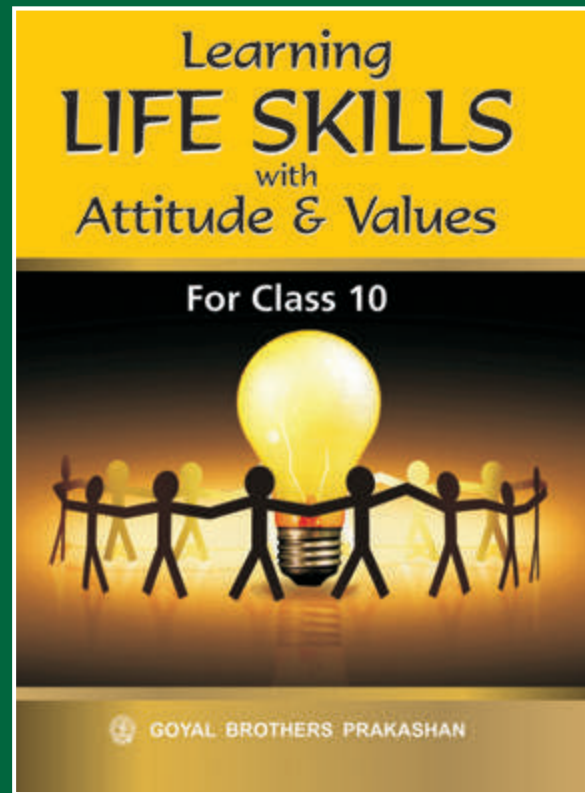
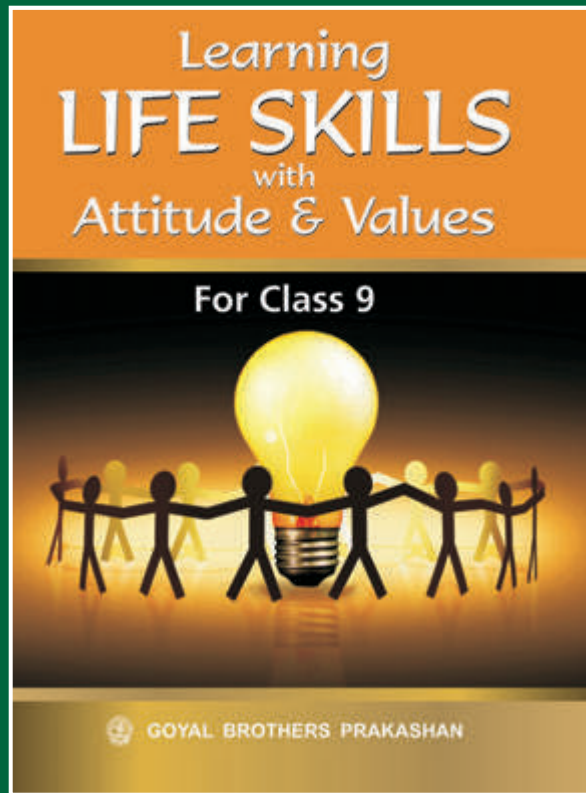
Each book is accompanied by a Teacher book.

These books are divided into three sections :

- ✦ **Life Skill Section** : This section has been further divided into : Thinking Skills, Social Skills and Emotional Skills in order to develop each skill thoroughly. It teaches different abilities for adaptive and positive behaviour to help learners to deal effectively with the demands and challenges of every day life.
- ✦ **Attitude Section** helps in developing the correct attitude of the students towards their teachers, schoolmates, school programmes and environment.
- ✦ **Value Section** helps students to develop core values. These values will strengthen student's life and help them to develop a good world to live in.

Teachers book will help the teachers in

- ✦ Some effective tasks which help learners acquire practical knowledge and experiences in areas such as problem-solving, time management, decision making, etc.
- ✦ Making use of detailed techniques, various classroom activities to evaluate their students progress in these skills.
- ✦ Using suggestions for how to hold an activity, group discussion, class discussions, brain storming, role-play, debates etc.



• Prof. B. C. Kapri

The books, **Goyal's Health and Physical Education** for **Classes 9 and 10** have been developed, keeping in mind the needs and requirements of the latest guidelines prescribed by the CBSE.


The main features of the series are as follows:

- ✦ **Lucid language** has been used to aid students to grasp the concept.
- ✦ Photographs, illustrations and tables have been given as aids to provide proper steps or methods to carry out physical exercises.
- ✦ To emphasise concepts of leadership and sportsmanship, citing examples from past and present achievers from various fields.
- ✦ Students are encouraged to achieve the goals of physical fitness and gain benefits of good health through sports, games, aerobics, yoga, etc.
- ✦ Sensitivity towards the differently-abled members of the society has been dealt with appropriate examples and modifications in the activities.
- ✦ All the Health and Physical activities have been grouped under four strands :
 - Strand 1 — Games and Sports
 - Strand 1 — Health and Fitness
 - Strand 3 — SEWA
 - Strand 4 — Health and Activity Card


Goyal's

Health and Physical Education

STRAND 1 : Games/Sports
 STRAND 2 : Health and Fitness
 STRAND 3 : SEWA
 STRAND 4 : Health & Activity Card




For Class 9

 **GOYAL BROTHERS PRAKASHAN**


Goyal's

Health and Physical Education


STRAND 1 : Games/Sports
 STRAND 2 : Health and Fitness
 STRAND 3 : SEWA
 STRAND 4 : Health & Activity Card



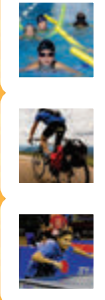
For Class 10

 **GOYAL BROTHERS PRAKASHAN**


For Classes 9 & 10



Strand 1: Games/Sports
 Strand 2: Health and Fitness
 Strand 3: SEWA
 Strand 4: Health & Activity Card



Health and Physical Education Practical Record Book

 **GOYAL BROTHERS PRAKASHAN**

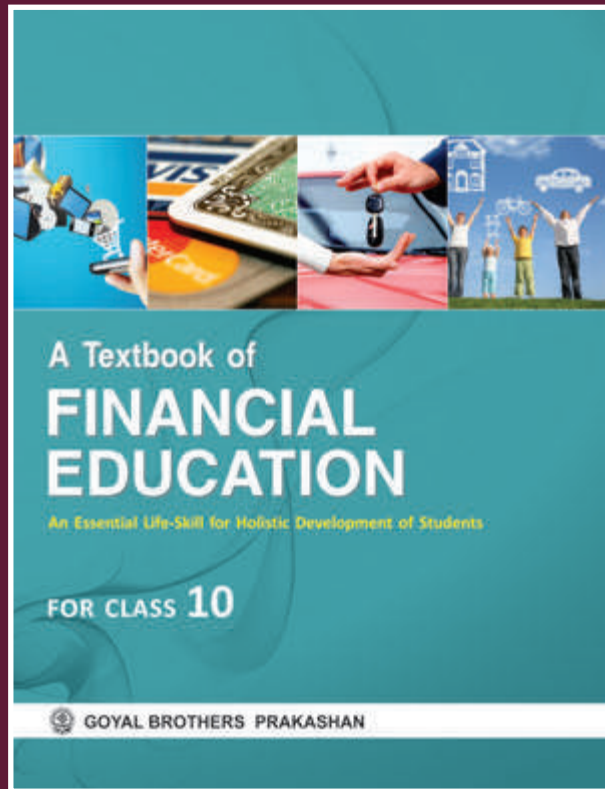
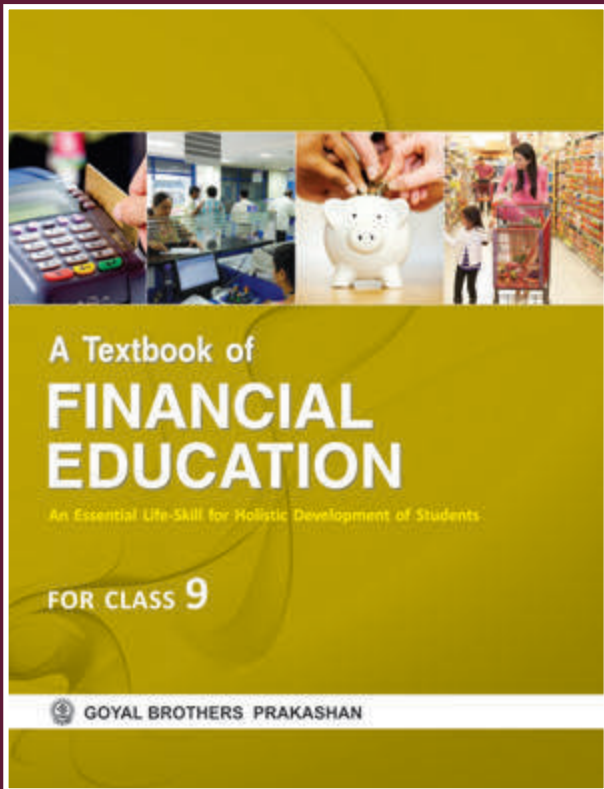
• S.K. Gupta

Academic qualifications are important and so is financial education. The number one problem of the present generation and economy is the lack of financial literacy. It is important to make students financially aware and empower them to manage money effectively to achieve financial well-being.

By providing financial education at a young age we can help students to develop the right attitude towards money which will make them responsible citizens, facilitating their full participation in society. **The vision of Financial Education is to enable the students, at their level of need, to understand the role of money in their life, the need for and use of savings, advantages of using the formal financial sector, the various options to convert their savings into investments, and protection through insurance.**

Financial education is an essential life-skill for holistic development of students. The programme is based on two pillars; education and awareness, and it aims to establish a sustainable financial literacy campaign that will empower the entire generation.

The Central Board of Secondary Education has developed Financial Education Curriculum for Classes 9 & 10. The curriculum has been developed by adopting a functional approach. Our series **A Textbook of Financial Education** is strictly based on the course content prepared by the Central Board of Secondary Education, New Delhi. It will **improve the financial skills of students and empower them to make informed judgements and decisions regarding the use and management of money.** These financial skills will further improve the quality of life and standard of living of **Money Smart Students.**



• Dr Mandabi Bhaduri • Rama Joshi

Goyal's Assignments in English Core for **Classes 11 and 12**, a comprehensive practice book, is strictly designed according to the latest syllabus prescribed by the CBSE, New Delhi. These books take into account all the changes made in the syllabus of Classes 11 and 12 English Course. The Exercises and Assignments have been planned according to the latest syllabus. They encourage originality, creativity and critical analysis with a comprehensive understanding of contemporary issues. The language used is lucid and simple so as to help the students in improving their local, global and thematic understanding of the text.

These books comprise the following sections :

- ✦ **Reading Comprehension:** Includes carefully chosen **factual, discursive, literary** and **case-based factual passages** (based on verbal/visual inputs—statistical data, charts, etc.)
- ✦ **Writing Skills:** All the different writing skills have been included with a sufficient number of samples.
- ✦ **Grammar:** This section lists all the rules necessary for solving exercises that follow. Chapters are planned with strict adherence to the syllabus. A large number of assignments are provided to give ample practice to students.
- ✦ **Literature:** Class 11 (All three sections—**Hornbill:** Prose and Poetry and **Snapshots:** Supplementary dealt comprehensively) Class 12 (All three sections—**Flamingo:** Prose and Poetry and **Vistas:** Supplementary dealt comprehensively)

As per the Latest
CBSE Syllabus

XI

Goyal's
**Assignments in
English Core**
(Subject Code 301)

- + READING COMPREHENSION WITH MCQs
- + A COMPREHENSIVE APPROACH TO NOTE-MAKING AND SUMMARISING
- + WRITING SKILLS AND GRAMMAR WITH SUFFICIENT EXAMPLES AND ASSIGNMENTS
- + LITERATURE:
 - Summaries of Stories, Poems and Plays
 - Central Idea and Literary Devices in Poetry
 - Reference to the Context Questions
 - Short and Long Answer Type Questions



GOYAL BROTHERS PRAKASHAN

As per the Latest
CBSE Syllabus

XII

Goyal's
**Assignments in
English Core**
(Subject Code 301)

- + READING COMPREHENSION WITH MCQs
- + WRITING SKILLS WITH SUFFICIENT EXAMPLES AND ASSIGNMENTS
- + LITERATURE:
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 - Central Idea and Literary Devices in Poetry
 - Reference to the Context Questions
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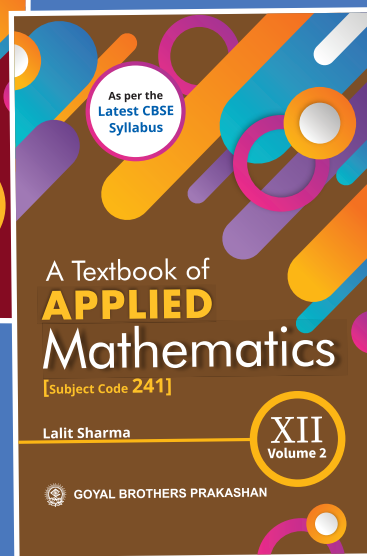
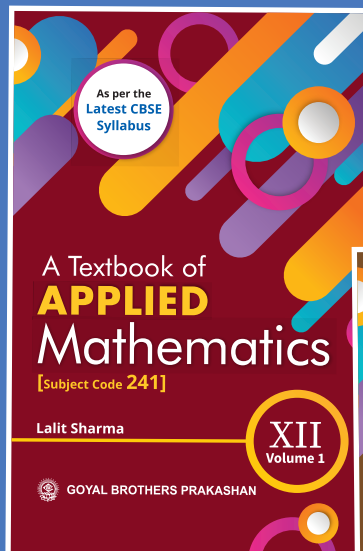
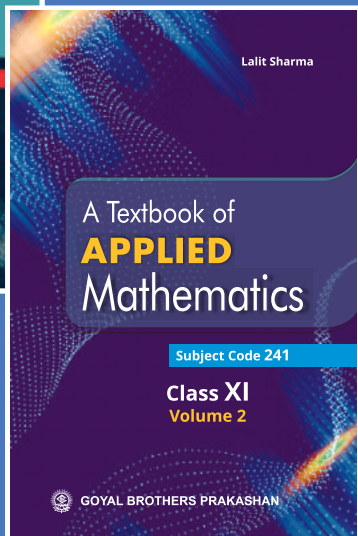
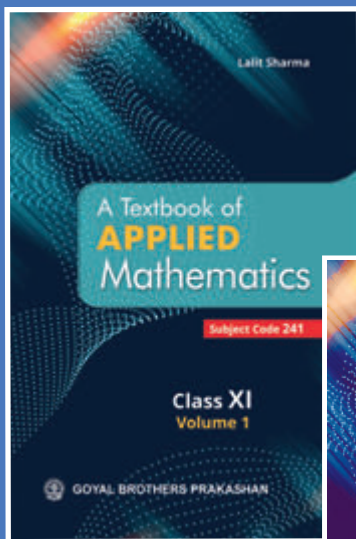
GOYAL BROTHERS PRAKASHAN

• Lalit Sharma

The series **A Textbook of Applied Mathematics** (Volume 1 and Volume 2) for Senior Secondary **Classes 11 & 12** has been developed to meet the objectives of Applied Mathematics set by the CBSE. For each level, the course has been covered in two volumes — Volume 1 and Volume 2. This series is strictly made as per the syllabus for Applied Mathematics recently released by the CBSE.

Salient features of these books are :

- ✦ Strictly as per the syllabus released by the CBSE.
- ✦ Language used is simple and easy to understand.
- ✦ The text (comprising, definitions, concepts and formulas, etc.) has been explained systematically and logically by giving an ample number of variety of **Solved Examples and Exercises**.
- ✦ Numerical problems are so arranged that the logical sequence and flow from easy to difficult could be maintained.
- ✦ Each chapter contains Objective Section that comprises **Multiple Choice Questions, Fill in the Blanks, True and False, Very Short Answer Questions**, etc.
- ✦ To meet the requirements of the latest CBSE examination pattern, **Case Study Based Questions** have been incorporated at the end of each chapter.
- ✦ In-text questions in the form of **Task for the Readers** have been given.
- ✦ All the required **Tables and Answers to the Exercises** (unsolved problems) have been given at the end of each book.



PRACTICALS & PROJECTS IN APPLIED MATHEMATICS WITH RECORD BOOK

for Classes 11 & 12

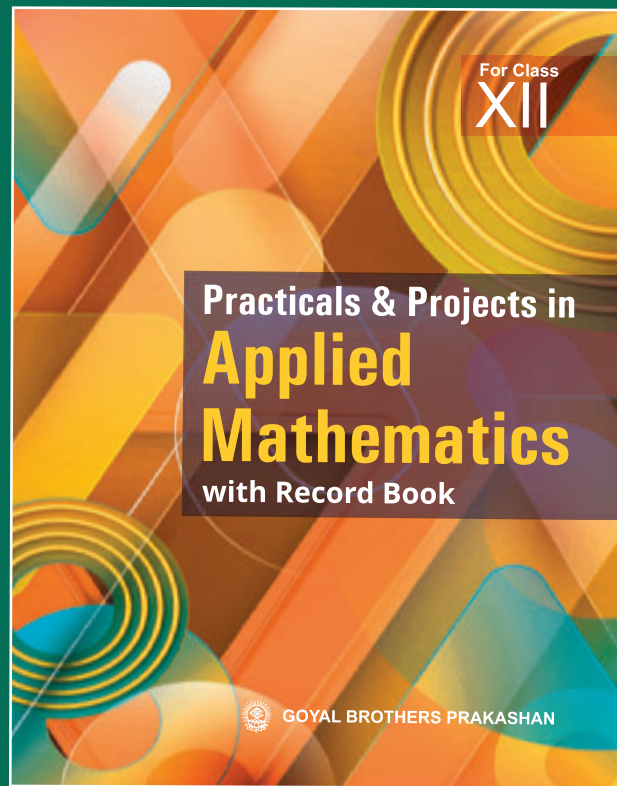
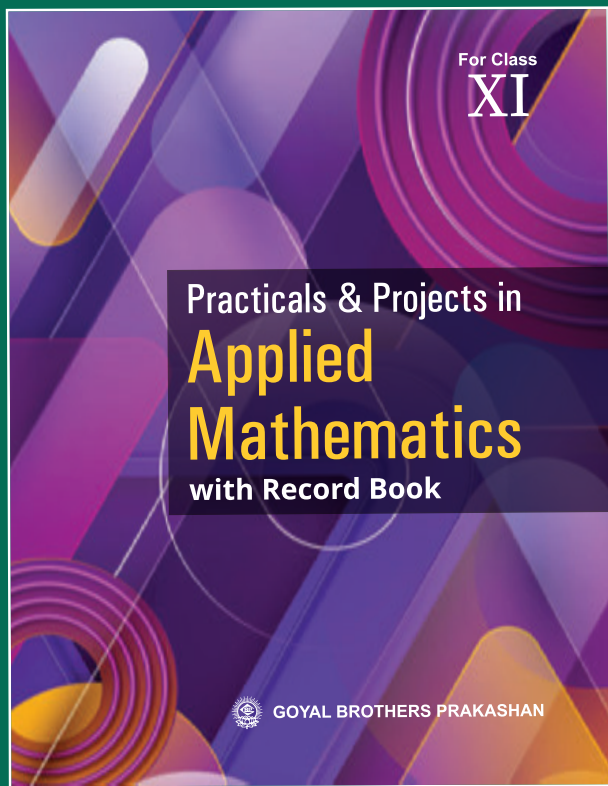
• Lalit Sharma

The books entitled **Practicals & Projects in Applied Mathematics** with Record Books for **Classes 11 and 12** have been developed in strict accordance with the latest syllabus of Applied Mathematics introduced by the CBSE, New Delhi.

While preparing these books, the guidelines of the CBSE have been taken care of. The Practicals/Projects given in these books are based on the Practicals/Projects suggested by the CBSE. The main objective of these Practicals/Projects is to make the teaching-learning process of Mathematics interesting, enjoyable and result-oriented. The Central Board of Secondary Education (CBSE) also suggests that the learning of Mathematics should be activity-oriented.

Salient features of these books are :

- ✦ Strictly as per the latest CBSE Syllabus.
- ✦ Student-friendly layout and **multi-colour illustrations** to create interest in the subject.
- ✦ **Language** used in practicals/projects is **simple and easy** to understand.
- ✦ Detailed **step-by-step explanation** to perform the practicals.
- ✦ Practicals/Projects given in the CBSE Syllabus have been dealt **comprehensively**.
- ✦ Ample number of blank sheets are provided for the students to record their work.



MATHEMATICS LAB ACTIVITIES WITH RECORD BOOK

for Classes 11 & 12

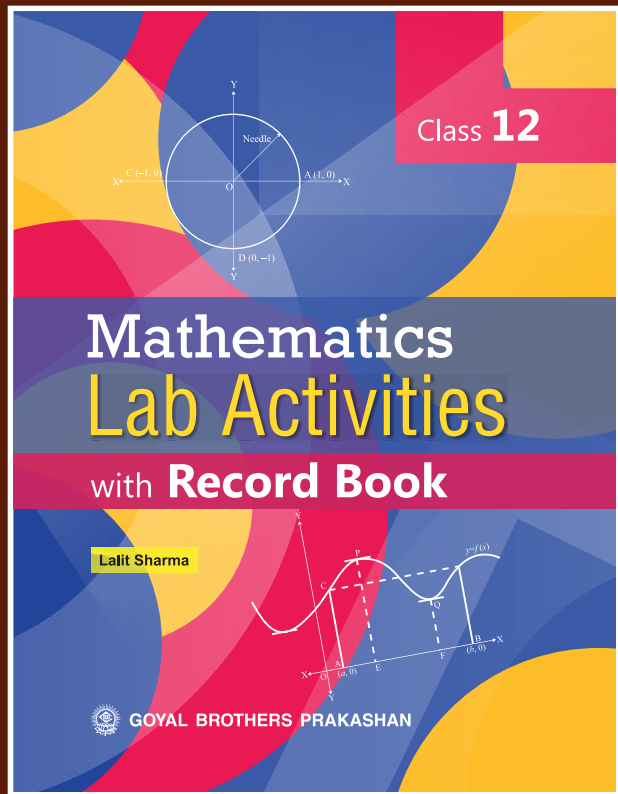
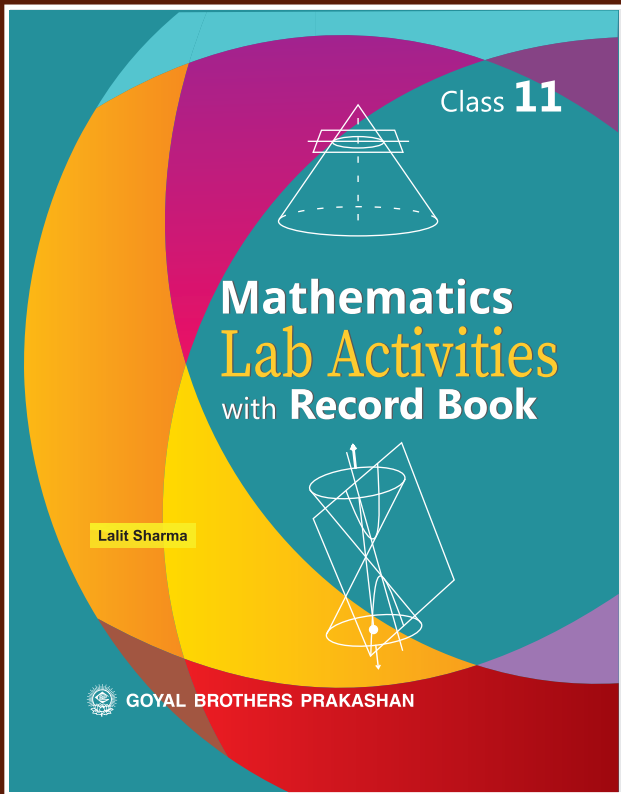
• Lalit Sharma

The series of books entitled **Mathematics Lab Activities with Record Book** for **Classes 11 and 12** has been developed in strict accordance with the latest syllabus prescribed by the Central Board of Secondary Education, New Delhi.

While preparing these books, guidelines of the CBSE has been taken care of. As per the CBSE, 10 marks (out of 100) have been allotted to Maths Activities. Also, the activities given in these books are based on the guidelines provided by the CBSE. The main objective of these Practicals/Projects is to make the teaching-learning process of Mathematics interesting, enjoyable and result-oriented. The Central Board of Secondary Education (CBSE) also suggests that the learning of Mathematics should be activity-oriented.

Salient features of these books are :

- ✦ Strictly as per the guidelines given by the CBSE.
- ✦ Student-friendly layout and **multi-colour illustrations** to create interest in the subject.
- ✦ **Language** used in activities is **simple and easy to understand**.
- ✦ Detailed **step-by-step explanation** to perform the activities.
- ✦ Ample number of questions and answers under **viva-voce** for exam preparation.
- ✦ Ample number of blank sheets are provided for the students to record their work.

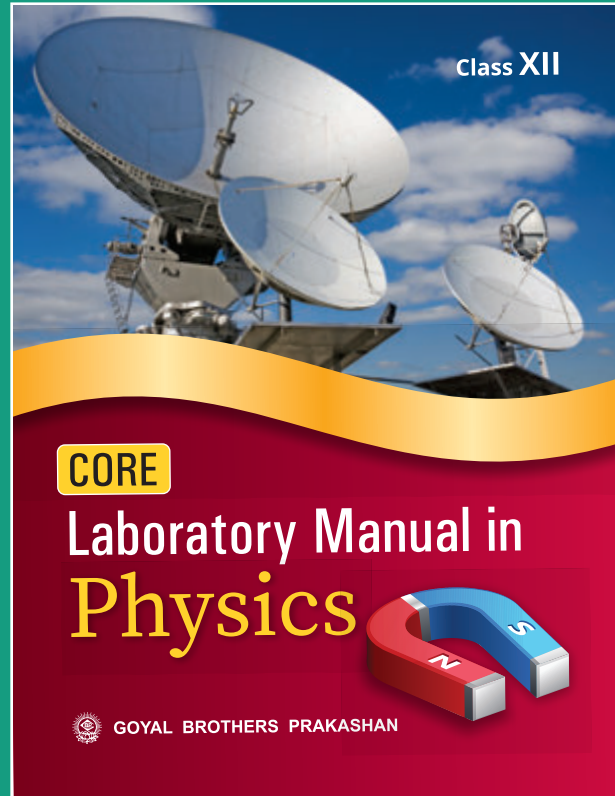
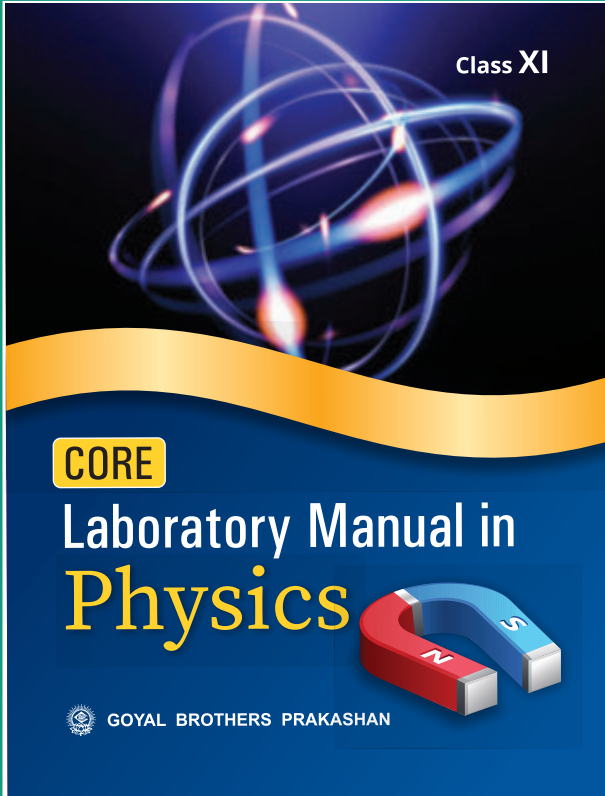


• Anil Sharma • Prashant Sharma

The **Core Laboratory Manual of Physics** for **Classes 11 and 12** is based on the latest CBSE syllabus. These books would assist the students to perform practicals in a methodical way as per the needs of the new syllabus.

Salient features of these books are :

- ✘ **Simple language** is followed, with correct scientific terminology.
- ✘ **Fundamental principles** are explained in every chapter.
- ✘ Clear instructions are given in procedure in a **step-wise manner**.
- ✘ Related activity is suggested to keep up the interest of the students.
- ✘ Good illustrations and **schematic diagrams** are given for steps involved in procedure.
- ✘ **Methods of calculation** are explained with proper use of units.
- ✘ Precautions and problems faced by students are listed out.
- ✘ Innovative projects with '**Pictorial Depiction of Process**' are provided for students to try out without any difficulty.
- ✘ Adequate **viva-voce questions and answers** are given for thorough understanding of the topic.
- ✘ **Detailed appendices** is given for the benefit of readers.

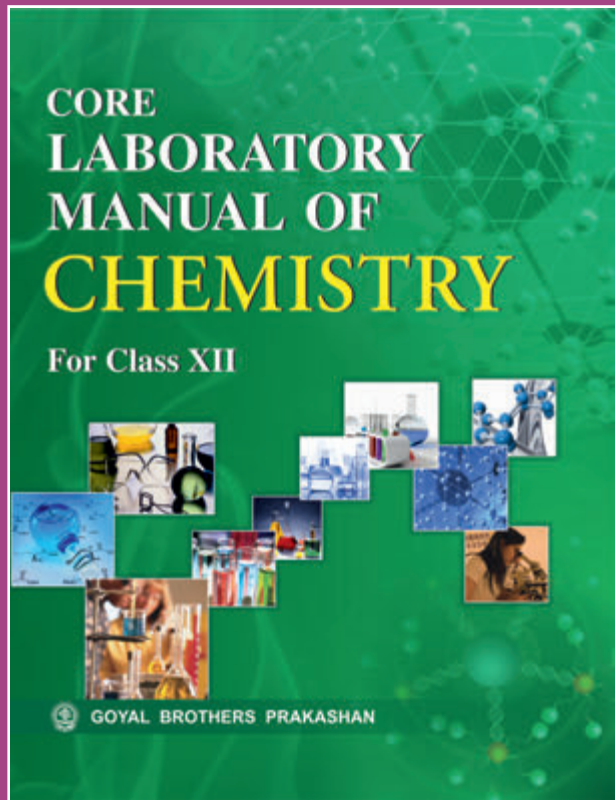
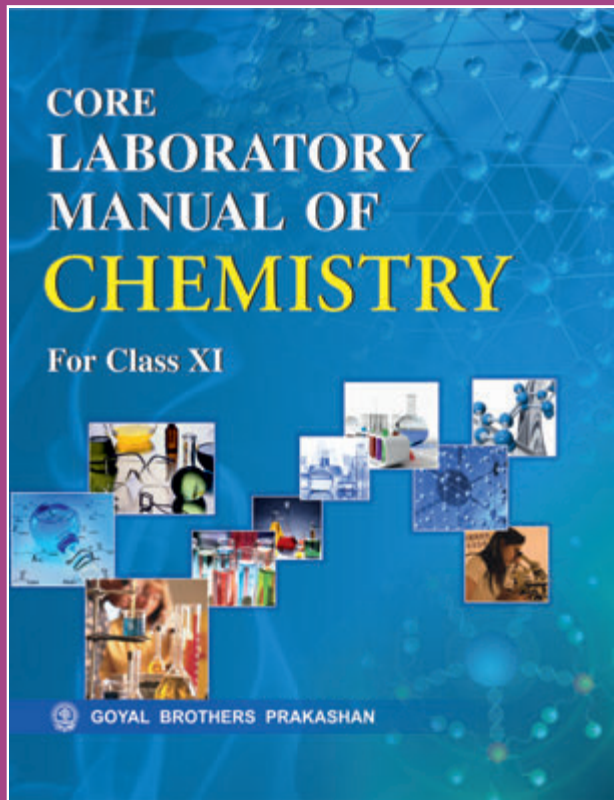


• Mrs. Rajalakshmi Karthikeyan

The **Core Laboratory Manual of Chemistry** for **Classes 11 and 12** is based on the latest CBSE syllabus. These books would assist the students to perform practicals in a methodical way as per the needs of the new syllabus.

Salient features of these books are :

- ✘ **Simple language** is followed, with correct scientific terminology.
- ✘ **Fundamental principles** are explained in every chapter.
- ✘ Clear instructions are given in procedure in a **step-wise manner**.
- ✘ Related activity is suggested to keep up the interest of the students.
- ✘ Good illustrations and **schematic diagrams** are given for steps involved in procedure.
- ✘ **'Ready Reckoner Charts'** and **'Summary Chart'** are provided in salt analysis.
- ✘ **Methods of calculation** are explained with proper use of units.
- ✘ Precautions and problems faced by students are listed out.
- ✘ Innovative projects with **'Pictorial Depiction of Process'** are provided for students to try out without any difficulty.
- ✘ Adequate **viva-voce questions and answers** are given for thorough understanding of the topic.
- ✘ **Detailed appendices** is given for the benefit of readers.

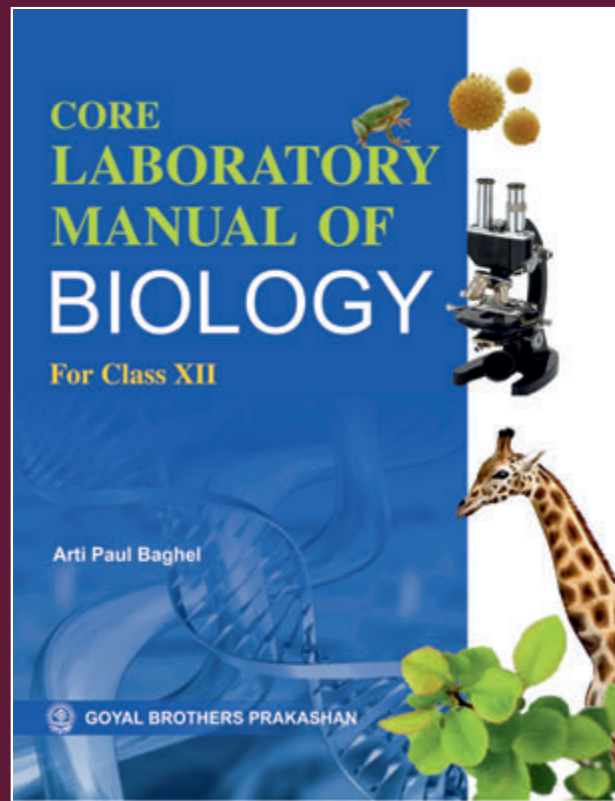
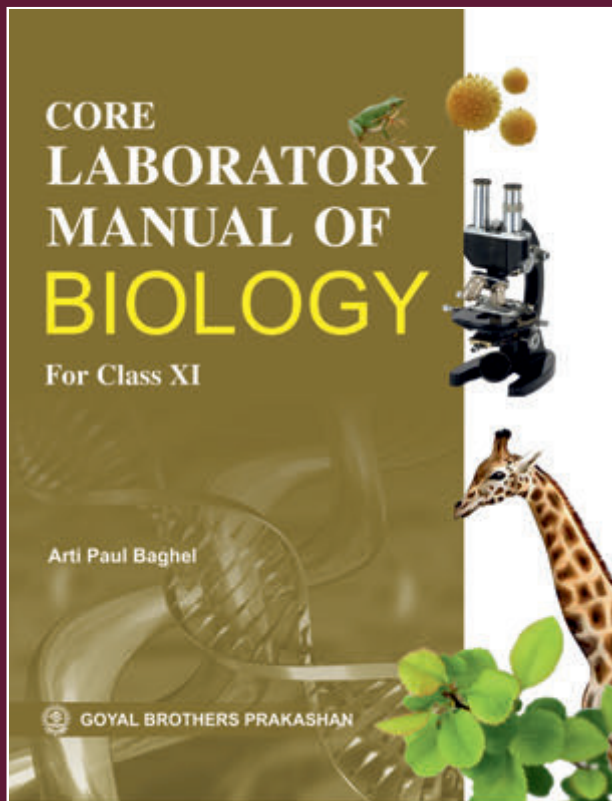


• Arti Paul Baghel

The **Core Laboratory Manual of Biology** for **classes 11 and 12** is based on the latest CBSE syllabus. These books would assist the students to perform practicals in a methodical way as per the needs of the new syllabus.

Special features of these books are :

- ✦ **Landmarks** — Under '**LANDMARKS**' theoretical knowledge concerning the experiment and the related information is given to equip the students with sufficient understanding of the practicals.
- ✦ **Diagrams** — Diagrams are the soul of biology. Special emphasis is laid on the correct proportion, proper labelling and effective presentation of the diagrams.
- ✦ **Classification** — Classification of plants and animals has been given with proper reasoning to develop rational thinking in the students.
- ✦ **Etymology** — The biological terms have been etymologically split and explained for a better understanding.
- ✦ **Brain Teasers** — The questions given in this section test a number of skill such as critical-thinking, problem-solving, etc. They also help students to think outside of the box to find the solution.
- ✦ **Viva-voce** — Viva Voce questions not only fulfil the examination needs but also satisfy the desire of the students to know and learn more.

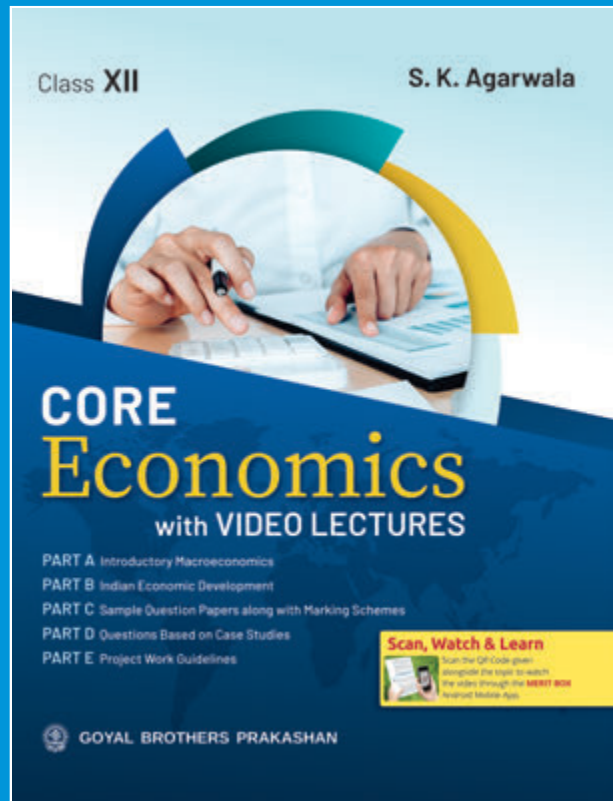
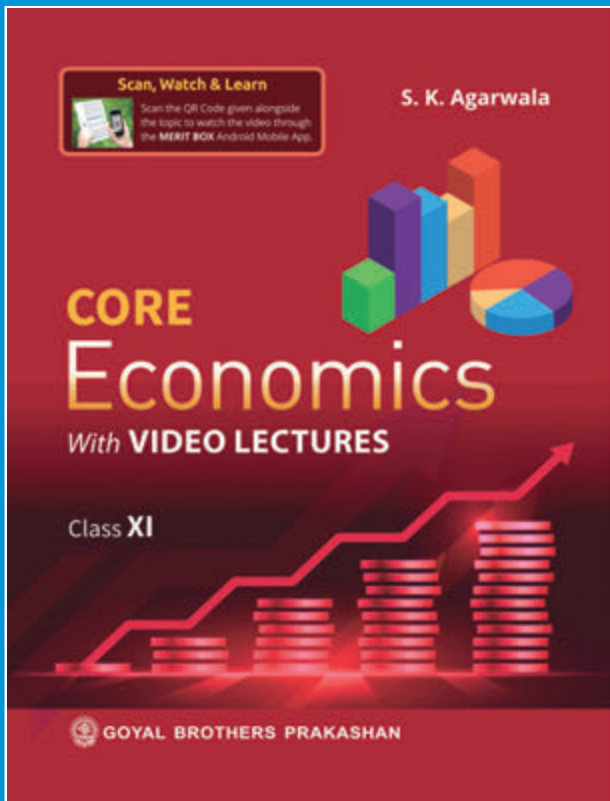


• S. K. Agarwala

The thoroughly revised and updated edition of **Core Economics with Video Lectures** for **Classes 11 and 12** is strictly according to the latest syllabus prescribed by the CBSE, New Delhi. The treatment is simple as possible and confined the scope of each topic to the requirement of the syllabus. The treatment has been supplemented by the real life examples and numerical illustrations to enhance the understanding of the subject.

Salient features of the books are :

- ✦ Strictly according to the **latest syllabus**.
- ✦ **Simple treatment** of the subject.
- ✦ **Elaborate explanation of the concepts**.
- ✦ **Main Points (summary)** are given at the end of each chapter.
- ✦ **Solved Numerical Illustrations** along with **Detailed Methodology**.
- ✦ **Understanding Based Questions** from CBSE Examination Papers (along with solution) at the end of each part.
- ✦ **Methodology of drawing diagrams** explained.
- ✦ With these books **Video Lectures** on each topic are also provided through the Internet. Students can use them anytime. Students can learn while on the move from their mobile phones, tablets, laptops, etc., by visiting the website or through the mobile application.



A TEXTBOOK OF STATISTICS FOR ECONOMICS (PART A) A TEXTBOOK OF INTRODUCTORY MICROECONOMICS (PART B)

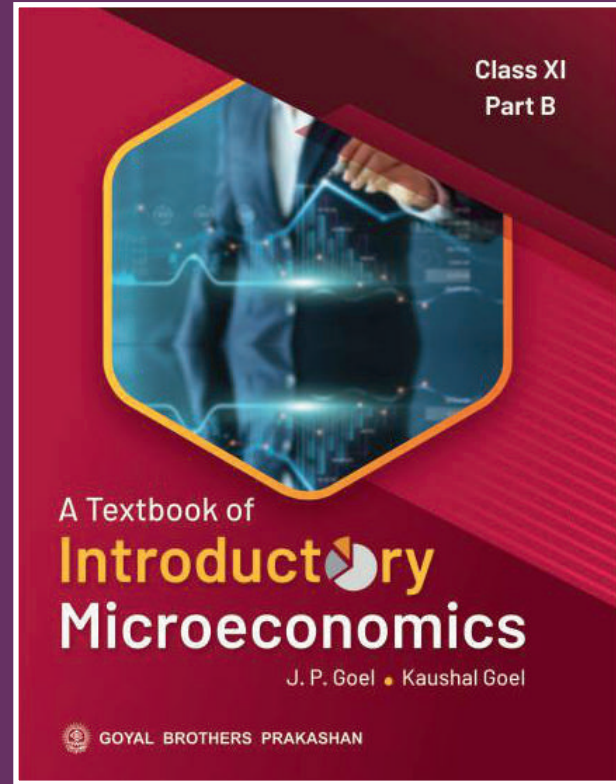
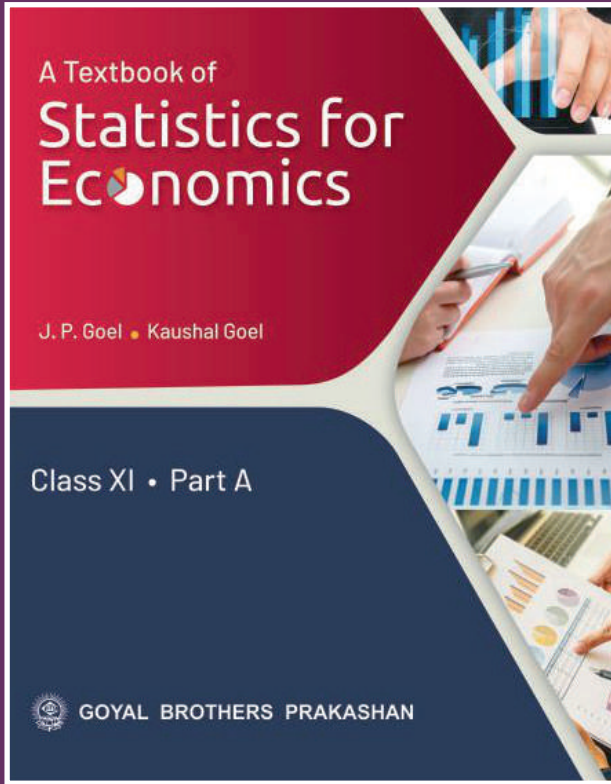
for Class 11

• J. P. Goel • Kaushal Goel

The books **Statistics for Economics** and **Introductory Microeconomics** are designed for students of **Class 11** pursuing Economics as per latest syllabus prescribed by the CBSE. The treatment of the subject is kept simple enough to be followed by anyone who is just beginning to learn Economics as a discipline.

Salient features of these books are :

- ✦ In accordance with the latest guidelines issued by the CBSE and are updated with the latest available data on Economics.
- ✦ The concepts have been systematically and comprehensively explained through use of diagrams, tables, numericals, data and examples wherever required.
- ✦ "**Question Bank**" of each chapter is enriched with a variety of exam-oriented questions.
- ✦ **HOTS Questions with answers** are given for every chapter.
- ✦ NCERT questions along with their solution are given for every chapter.
- ✦ Objective type questions include:
 - Multiple Choice Questions
 - Matching and Arranging
 - Assertion - Reasoning & Statement Based Questions
 - Fill in the Blanks
 - True or False with Reasoning
 - Very Short Answer Type Questions
- ✦ Apart from objective and subjective type questions, **Case Study** and **Unit Test Papers** are also given.
- ✦ **Sample question paper** and **solved sample projects** are also given.



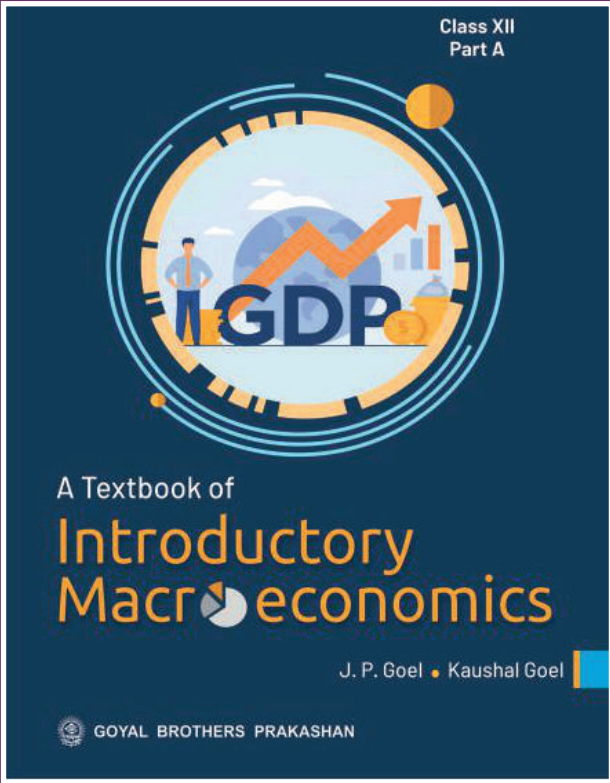
A TEXTBOOK OF INTRODUCTORY MACROECONOMICS (PART A) for Class 12 A TEXTBOOK OF INDIAN ECONOMIC DEVELOPMENT (PART B)

• J. P. Goel • Kaushal Goel

The books **Introductory Macroeconomics** and **Indian Economic Development** are designed for students of **Class 12** pursuing Economics as per latest syllabus prescribed by the CBSE. The treatment of the subject is kept simple enough to be followed by anyone who is just beginning to learn Economics as a discipline.

Salient features of these books are :

- ✦ In accordance with the latest guidelines issued by the CBSE and are updated with the latest available data on Economics.
- ✦ The concepts have been systematically and comprehensively explained through use of diagrams, tables, numericals, data and examples wherever required.
- ✦ Appendix having out of the box content has been provided for knowledge enrichment of the students wherever required.
- ✦ "**Question Bank**" of each chapter is enriched with a variety of exam-oriented questions.
- ✦ **HOTS Questions with answers** are given for every chapter.
- ✦ NCERT questions along with their solution are given for every chapter.
- ✦ Question bank also includes questions from latest CBSE sample question paper.
- ✦ Objective type questions include:
 - Multiple Choice Questions
 - Matching and Arranging
 - Assertion - Reasoning & Statement Based Questions
 - Fill in the Blanks
 - True or False with Reasoning
 - Very Short Answer Type Questions
- ✦ Apart from objective and subjective type questions, **Case Study** and **Unit Test Papers** are also given.
- ✦ At the end **two solved sample projects** are also given.



PROJECT WORK IN ECONOMICS WITH PROJECT RECORD BOOK

for Class 12

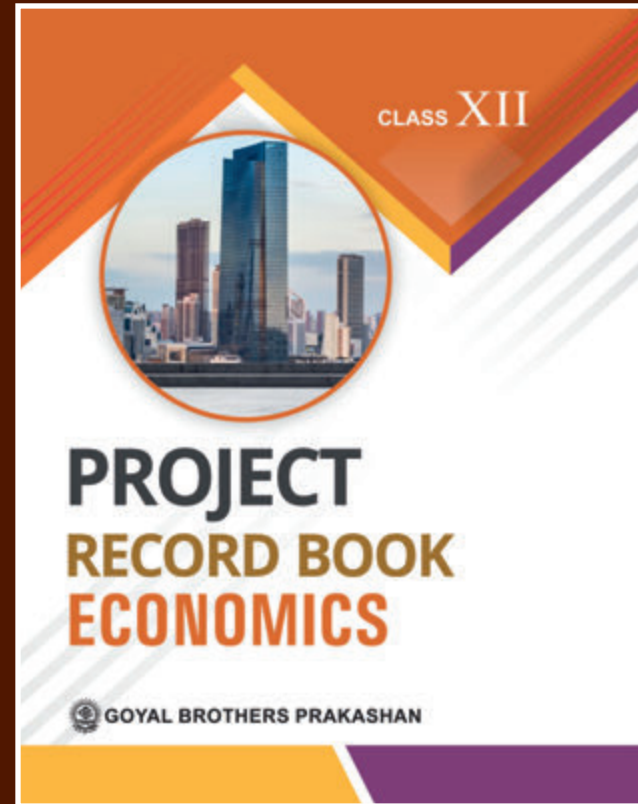
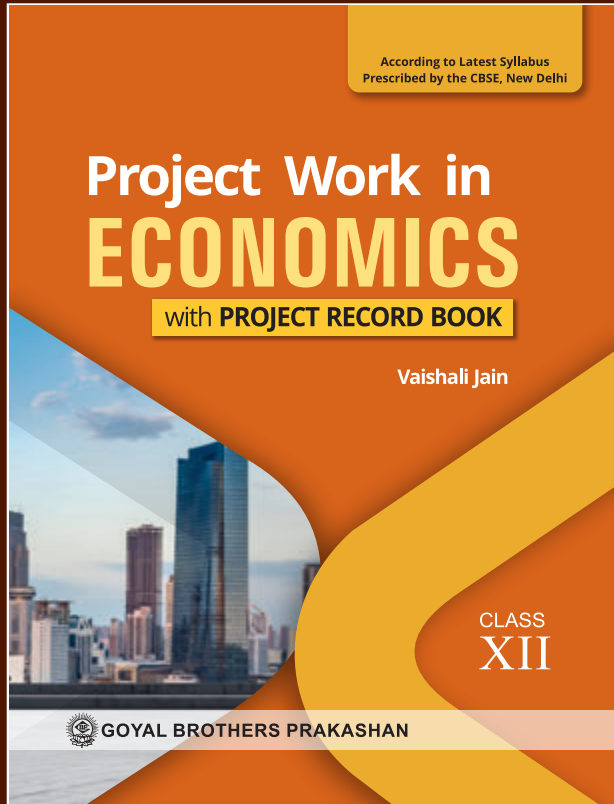
• Vaishali Jain

Project work is a learning experience which aims to provide students the opportunity to synthesise knowledge from various areas of learning. It is a series of activities that allows students to do research and act by using their aptitudes, interests, personal experience and abilities.

We are pleased to present our book **Project Work in Economics** for the students preparing for class 12 CBSE Examinations. This book strictly conforms to the latest syllabus prescribed by the CBSE. As per the latest syllabus, the students are required to select any one topic for project work. from the given options in the syllabus. Twenty marks have been set aside for Project Work including viva-voce.

Salient features of this book are :

- ✦ **Detailed guidelines issued by CBSE** to make the students aware about the purpose and scope of project alongwith the suggestive list of topics.
- ✦ **Introduction to Project Work** is given to guide students about the major steps to be followed in the preparation of a project in a systematic manner.
- ✦ **Proforma of the Project File** indicates the essentials to be fulfilled for the preparation and submission of project file.
- ✦ **Five detailed sample projects** are given on the topics suggested.
- ✦ **Thorough research** on concerned topics is done for a clear understanding of subject matter.
- ✦ A comprehensive **viva-voce** with solution is provided at the end of each solved project.
- ✦ **Diagrammatic explanation** is given wherever required for better presentation of concept.
- ✦ **Twenty seven project outline** are given to help the students in learning the methodology of doing project work. It will help them in developing the projects on their own.



PROJECT WORK IN ACCOUNTANCY WITH PROJECT RECORD BOOK

for Class 12

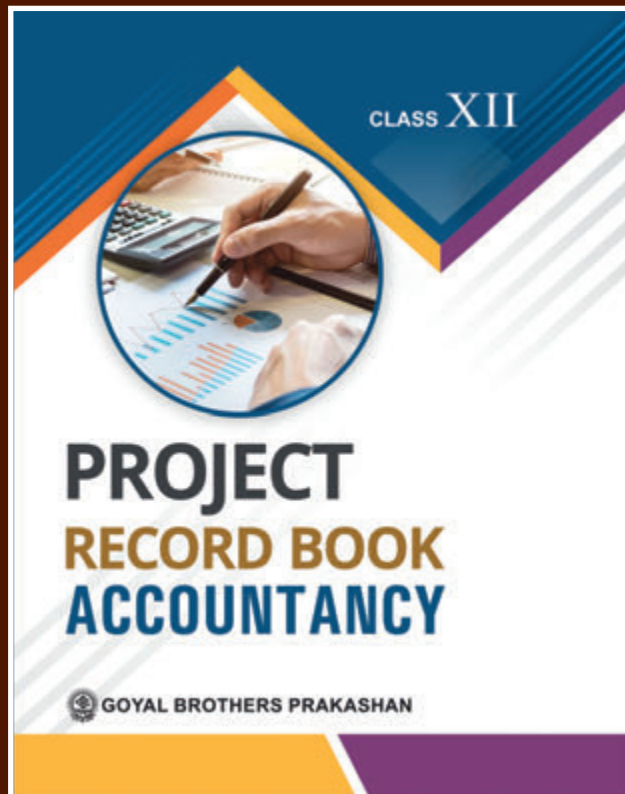
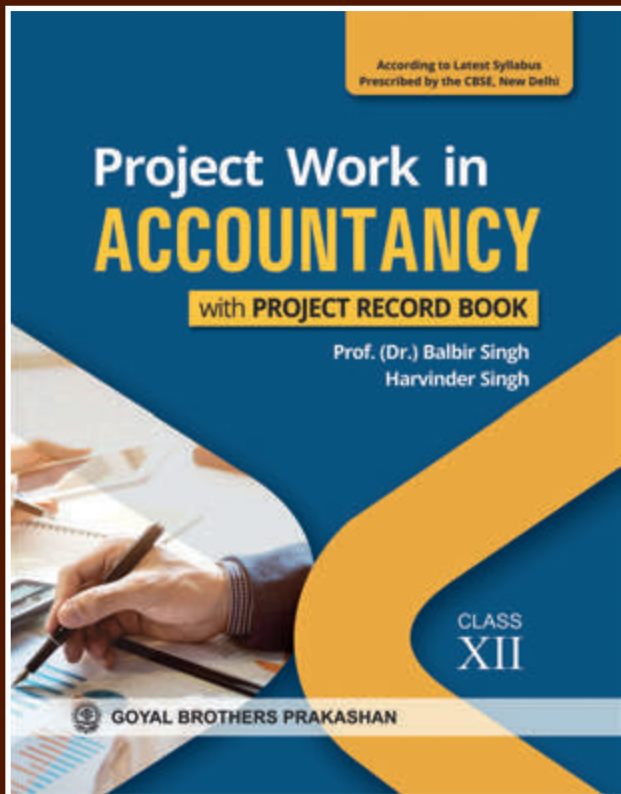
• Prof. (Dr.) Balbir Singh • Harvinder Singh

The Subject of Accountancy gives a firm foundation to students in basic accounting principles and methodology. To reinforce these objectives, the CBSE has introduced Project Work in Accountancy. It will help the students to develop competency to complete the accounting process in real life business situation and apply the tools of financial analysis.

The book **Project Work in Accountancy** for class 12 strictly conforms to the latest guidelines and syllabus prescribed by the CBSE.

Salient features of this book are :

- ✦ **Detailed guidelines issued by CBSE** have been included to make the students aware of the purpose and scope of project work alongwith the suggestive list of topics.
- ✦ **Introduction to Project Work** is given to guide students about the major steps to be followed in the preparation of a project in a systematic manner.
- ✦ **Proforma of the Project File** indicates the essential formats to be fulfilled for the preparation and submission of Project File.
- ✦ **Six detailed Sample Specific Projects** and **Two Sample Comprehensive Projects** are given on different topics.
- ✦ **Thorough research** on each topic has been done with appropriate ratios, pie diagrams, comparative and common Size statements as required.
- ✦ **Viva-Voce questions with answers** have been provided at the end of each solved specific and comprehensive project.
- ✦ **General Questions** and **Sample Papers** are given at the end to develop better understanding for compulsory **written test**.
- ✦ **Ten Specific Projects (Unsolved)** and **three Comprehensive Projects (Unsolved)** have been given with outlines to help the students in reinforcing and learning the methodology of doing project work.



PROJECT WORK IN BUSINESS STUDIES WITH PROJECT RECORD BOOK

for Class 12

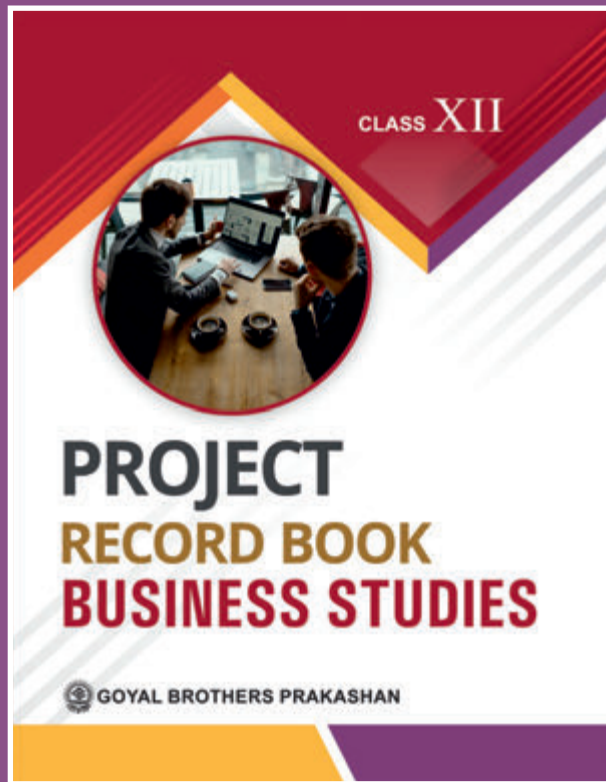
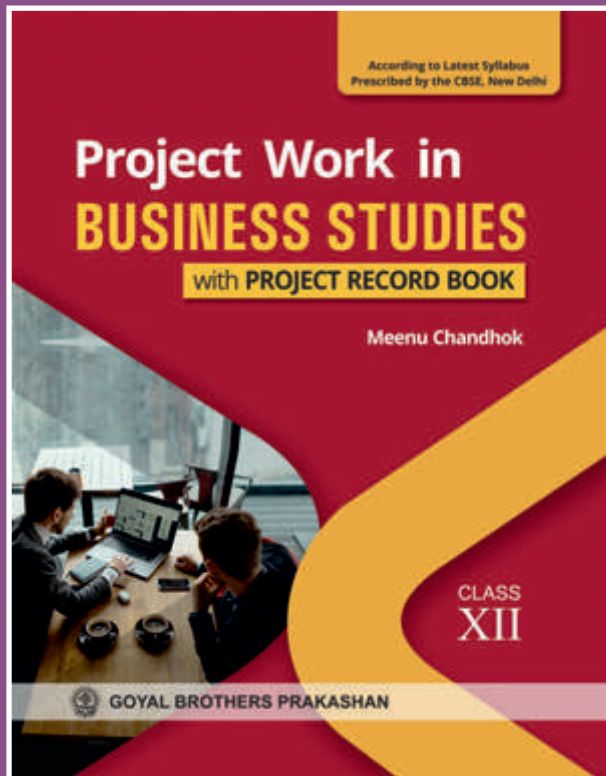
• Meenu Chandhok

Business being an integral part of the society, the course in business studies is to foster basic understanding of the principles and practices of the business environment in relation to the society. CBSE has introduced the project in business studies to enable the students comprehend the concepts and facts of business with the actual environment in which it functions.

The students will be able to go beyond the books and apply all the concepts read while preparing the project. This shall help them get insights of the real business world needs and the principles followed while it functions. Thus, students shall be engaged in gathering information relevant to the project, analysing it and further develop interpretations of the analysis. This shall provide experiential learning of the concepts taught.

Salient features of this book are :

- ✦ **Detailed guidelines** issued by CBSE to make the students aware about the purpose and scope of the project followed by suggestive list of topics that can be taken up for the project.
- ✦ **Guidelines for Teachers** is detailed and all important aspects, methodology of preparation of the project are laid out.
- ✦ Essential requirements for preparation of the project and submission of the project are also mentioned.
- ✦ A **few detailed projects** covering certain latest happenings such as Impact of Covid 19 and Farm Law Bills with statistical analysis is also given.
- ✦ **Sample Questionnaire** followed by **Appendix** that forms the basis of the project are also one of the key highlights of the project followed by its statistical analysis.



PROJECT WORK IN ENTREPRENEURSHIP WITH PROJECT RECORD BOOK

for Class 12

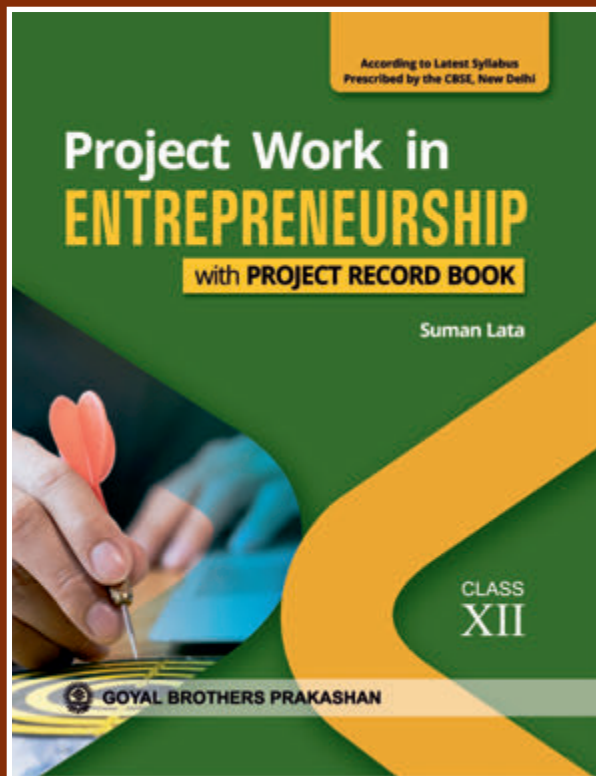
• Suman Lata

Entrepreneurship education involves theoretical knowledge, practical experience in developing projects, encouraging self-esteem among students, and enjoying the process. This book empowers entrepreneurs on starting and growing independent new ventures. It is based on entrepreneurship project work. The student who reads this book will learn about the entrepreneurial process and the role of entrepreneurship in the economy.

The book **Project Work in Entrepreneurship** for Class 12 strictly conforms to the latest syllabus prescribed by CBSE.

Salient features of the book are :

- ✦ **Detailed guidelines** issued by CBSE to make the students aware about the objectives of the project and steps involved in conducting of a project.
- ✦ **Solved Projects** have been prepared to help the students in understanding the methodology of doing the project work.
- ✦ **Viva questions and answers** are provided at the end of each project work.
 - Market Survey Projects
 - Business Plan
 - Numerical Assessment
- ✦ **Bibliography** is given in each of the project work.



PROJECT WORK IN HISTORY WITH PROJECT RECORD BOOK

for Class 12

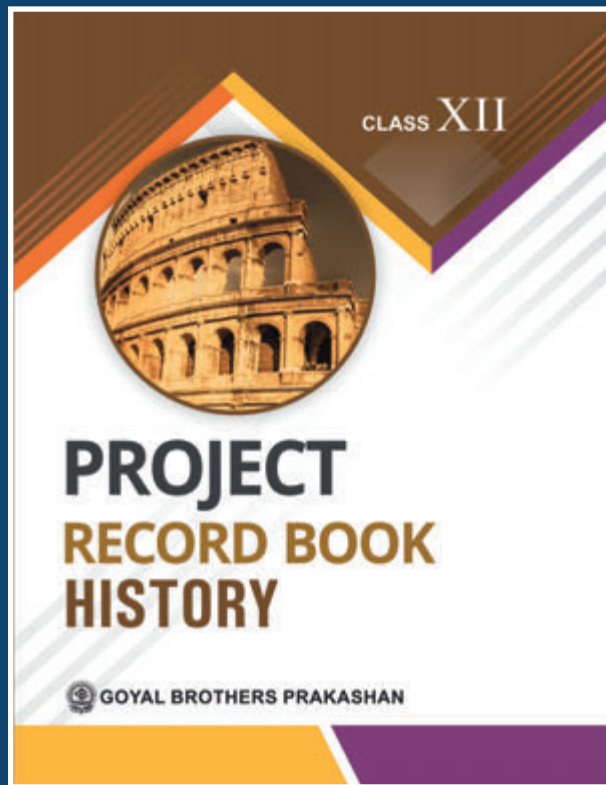
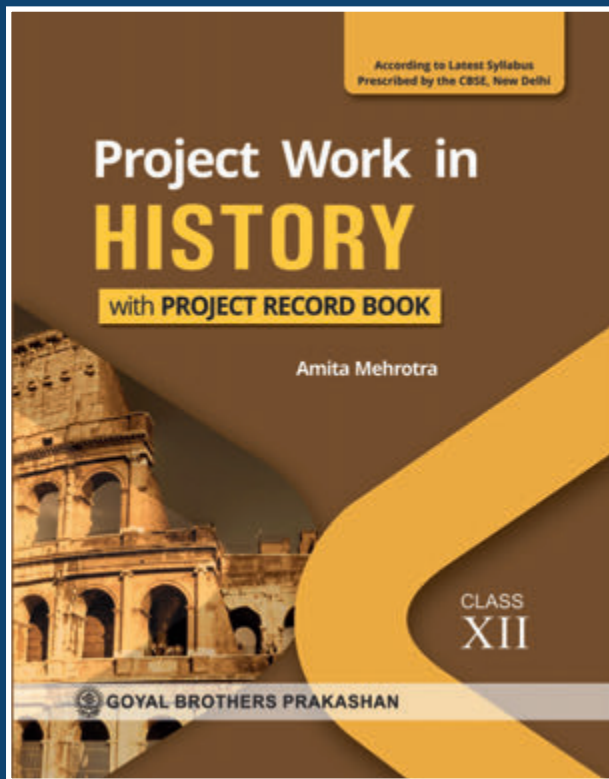
• Amita Mehrotra

The subject History helps students to understand the present social, political, religious and economic conditions of the people. Without the knowledge of history we cannot have the background about our religion, customs institutions, administration, etc. Thus, this subject helps the students to explain the present, to analyze it and to trace its course.

Project Work in History strictly conforms to the latest syllabus prescribed by the CBSE.

Salient features of this book are :

- ✦ **Detailed guidelines issued by CBSE** to make the students aware about the Objectives of the Project.
- ✦ **Introduction to Project Work** is given to guide students about the major steps to be followed in the preparation of a project in a systematic manner.
- ✦ **Proforma of the Project File** indicates the essentials to be fulfilled for the Preparation and submission of Project Work.
- ✦ **All the Topics** for the Project Work have been selected from the list of topics provided by the CBSE in its latest curriculum.
- ✦ **10 Solved Projects** have been given to help the students in Reinforcing and Learning the Methodology of doing the Project Work.
- ✦ **6 Unsolved Projects** with Proper Overview have been given which will help students in doing the Project Work.
- ✦ **Viva-voce questions and answers** are provided at the end of each project work.
- ✦ **Bibliography** is given in each of the project work.



• **Dr. Aishwarya Raina Sharma**

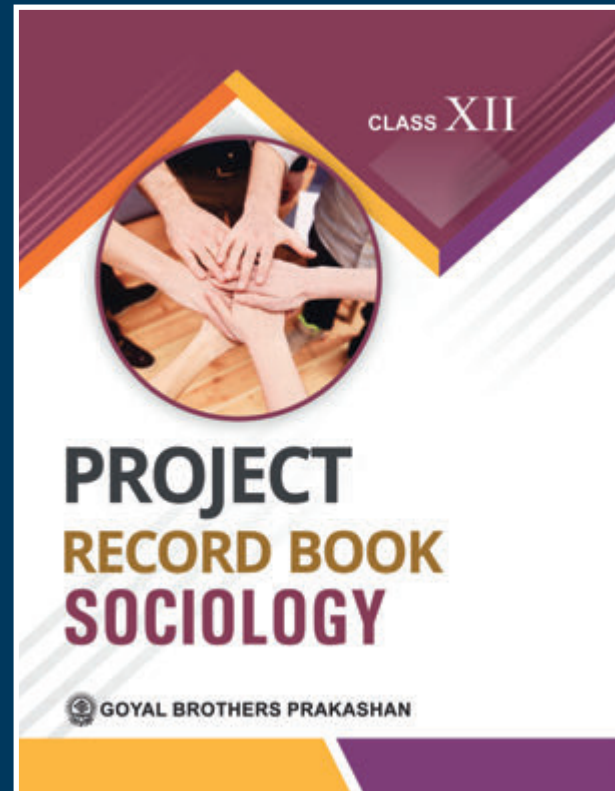
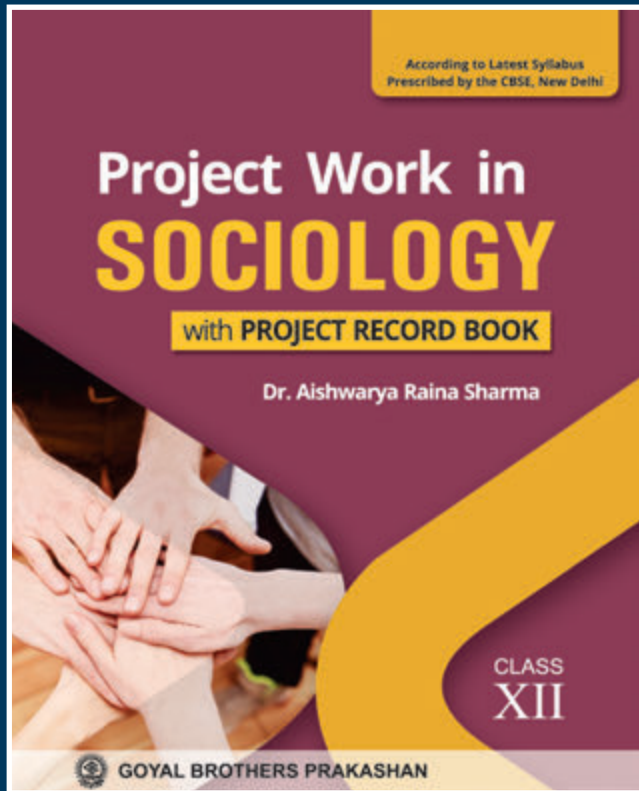
Sociology as subject gives its student a very rational, realistic, diversified and unbiased view about Society. However, without practical knowledge and research on social issues it is almost impossible to comprehend all the basic concepts, principles and concerns erupting in society which are a major part of this subject.

To further reinforce these objectives, CBSE has introduced **Project Work in Sociology**, at the senior secondary level where students need to associate with this Project work to develop the skills of Research Methodology, Sampling breaking barriers of biases and pre-conceived notions to reach out to people keeping in mind the Sociological Principles.

The project guidelines book in Sociology for Class 12 follows the latest syllabus prescribed by CBSE. The theme outlined in the book is linked to the diverse social issues across the world and will help students to become global citizens by perceiving all social issues globally.

Salient features of this book are :

- ✦ **Detailed guidelines** issued by CBSE to make students aware of the purpose and scope of the project along with the proposed list of topics.
- ✦ Extensive research has been done on each topic with appropriate **Review of Literature, Articles** as evidence and **Questionnaire** on the topic.
- ✦ **Viva-Voce Questions** are provided on the particular topics at the end of each project.
- ✦ **Analysis and Interpretation of the Research-Questions** are enclosed to enhance the quality of research.



PRACTICALS IN GEOGRAPHY WITH PRACTICAL RECORD BOOK

for Class 12

• Ameesha D'Cruz

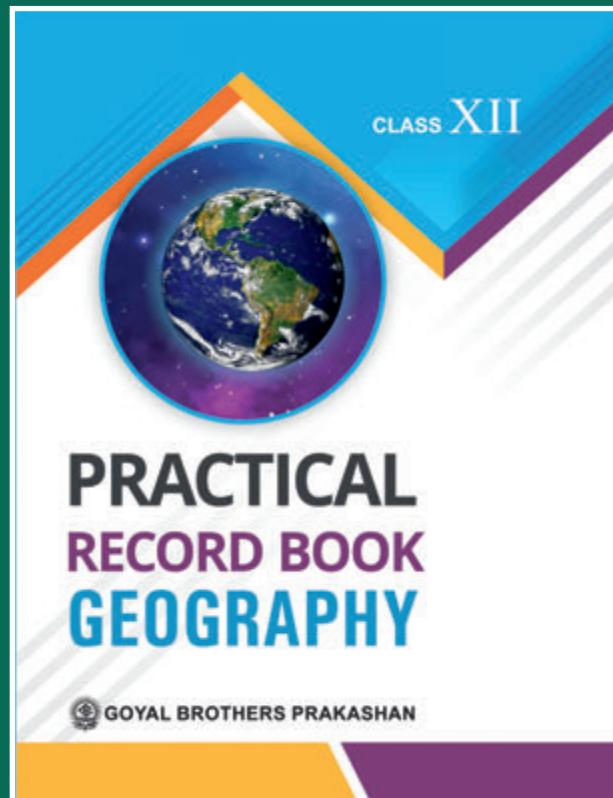
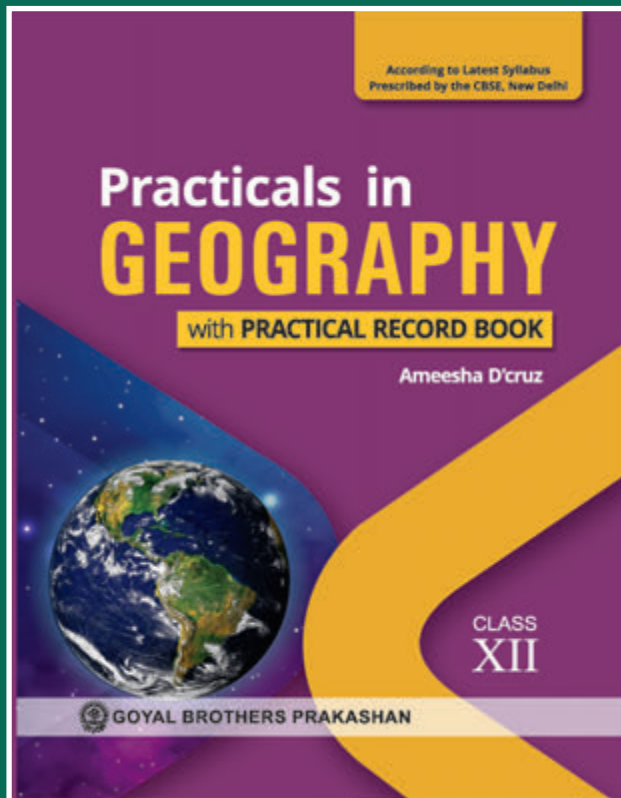
The subject of Geography introduces students to the study of the earth's physical and cultural settings. What makes Geography different from other disciplines is its focus on spatial inquiry and analysis. **Practicals in Geography** will assist students in comprehending the **Processing of Data, Thematic Mapping** and **Spatial Information Technology**.

Without the knowledge of Geography, we cannot develop a sense of social responsibility, intellectual and practical skills that span all major fields of study, such a communication, analytical and problem-solving skills and the demonstrated ability to apply knowledge and skills in real-world settings. To further reinforce these objectives, CBSE has introduced Practical in Geography. It will allow students to develop their cognitive skills.

This book is based on the latest syllabus and guidelines prescribed by CBSE. The book **Practicals in Geography** offers ample practice to students preparing for CBSE Examinations in Class-12.

Salient features of this book are :

- ✕ CBSE has published detailed rules to ensure that pupils are informed about the practicals' goals.
- ✕ **Graphs** and **flowcharts** aid students in understanding the steps involved in the execution of the practicals.
- ✕ **Solved Practical** have been created to assist students in reinforcing and mastering the practicals' work process.
- ✕ At the end of each practical, **Viva-voce questions and answers** have been provided.



PROJECT WORK IN POLITICAL SCIENCE WITH PROJECT RECORD BOOK

for Class 12

• Gaurav Upadhyay

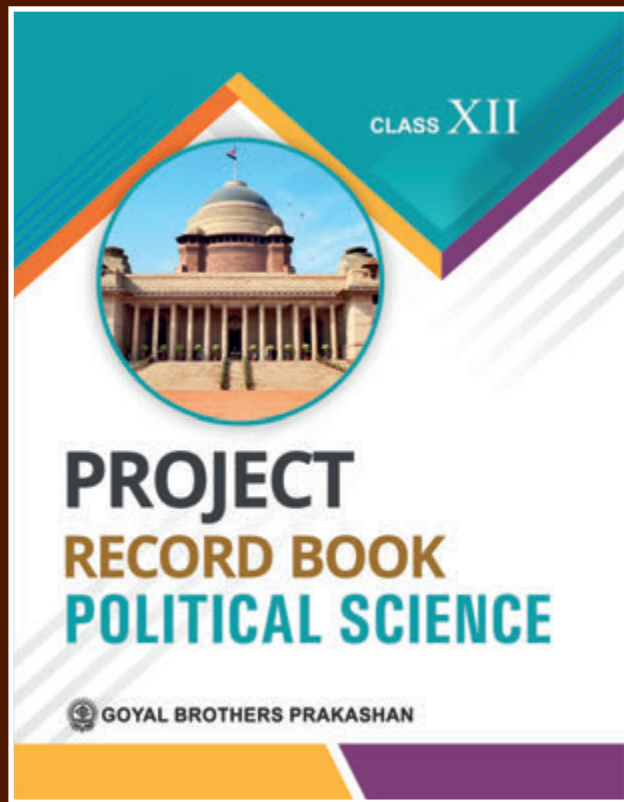
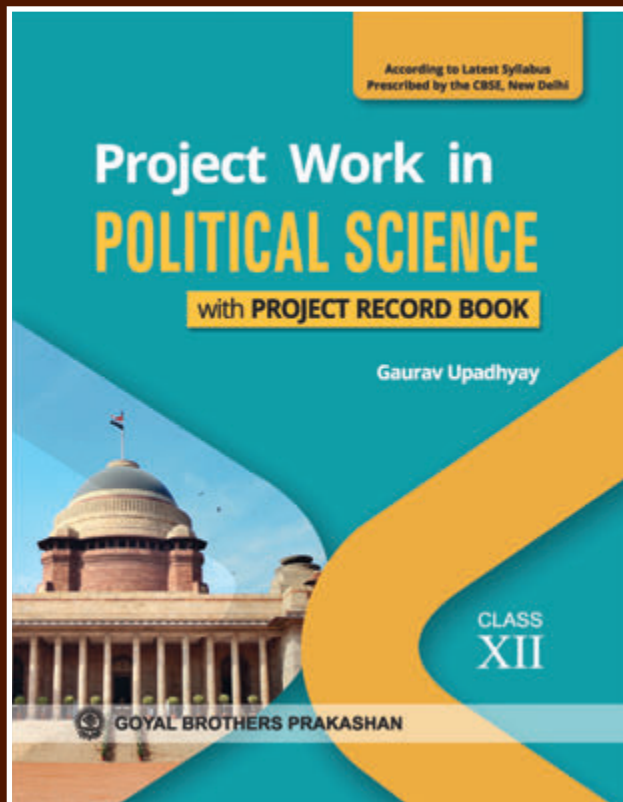
Political Science is a very diversified and robust subject in itself. Without practical knowledge it is almost impossible to comprehend all the basic concepts and principles of this subject. To further reinforce these objectives, CBSE has introduced **Project Work in Political Science**, at the senior secondary level where students need to associate with this project work in order to develop the skills of comprehension as well as application of Political Principles. It also helps students to understand the development of political processes from ancient times to **Modern Era**.

Students will also learn about the government policies, rules and regulations that are increasingly important in today's world. The theme outlined in the book is linked to the diverse concept of challenges spreading across the world and will help students to become global citizens.

The book '**Project Work in Political Science**' for class 12 strictly follows the latest syllabus prescribed by CBSE.

Salient features of this book are :

- ✦ **Detailed Guidelines** issued by CBSE to make students aware of the scope of the project along with the proposed list of topics for project work.
- ✦ Extensive research has been done on each topic with appropriate images, illustrations and maps wherever necessary.
- ✦ **Viva-Voce Questions** with answers are provided at the end of each specific and fully covered project.
- ✦ Discusses the challenges and achievements of democracy along with knowledge of proposed development.
- ✦ Making aware about the maintenance of world peace through various international organisations.



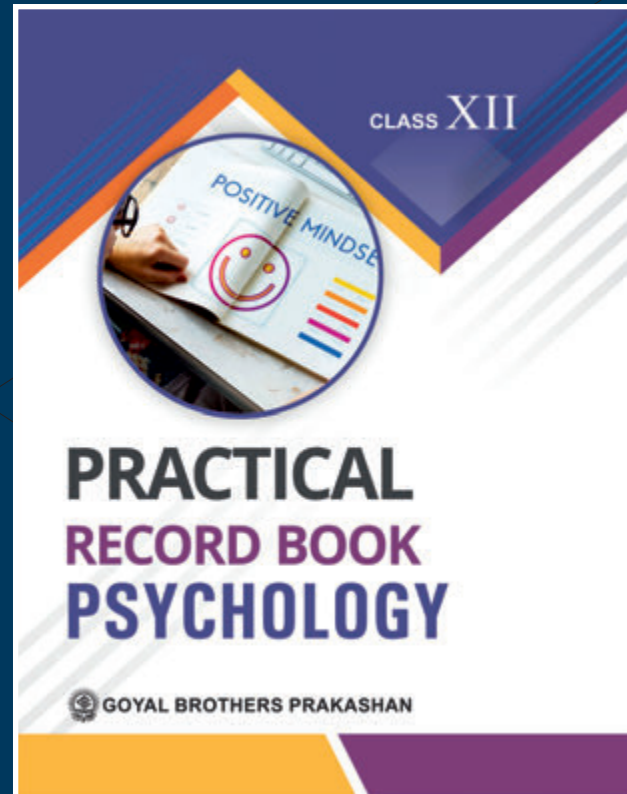
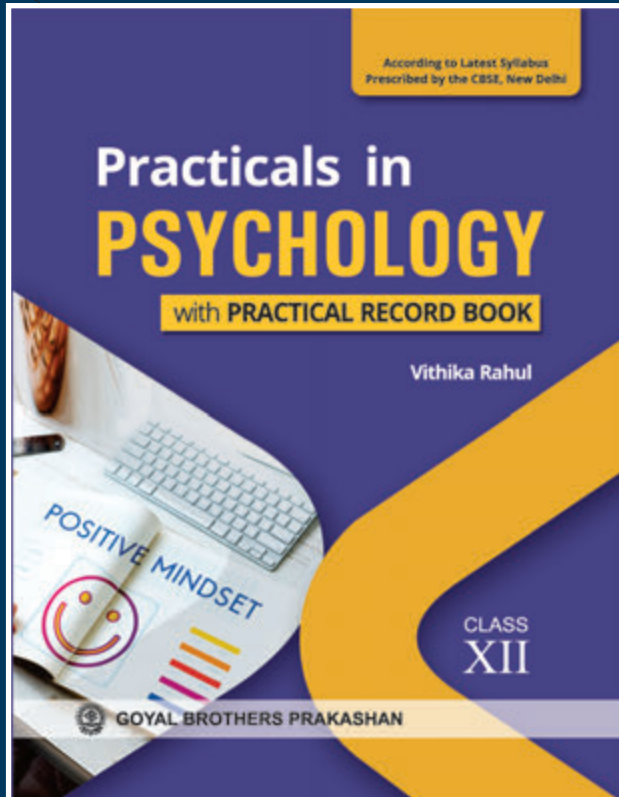
• Vithika Rahul

Psychology is a very diversified and vast subject in itself. Psychology, like most other sciences, has its own set of tools to investigate the important research questions of its field. Knowledge of theoretical concepts helps in understanding and grasping different concepts and principles. However, practical work is an essential component of psychology. Theories can only be tested in a practical scenario by using various tools and techniques for the collection of data. This book has been written to increase student's understanding about the tools and techniques required for data collection in psychology.

CBSE has introduced **Practicals in Psychology**, at the senior secondary level where students learn to administer and interpret various psychometric tests which further enhances their ability as a researcher. These tests are also used at graduate and post graduate levels; hence developing the understanding at school level further assist their knowledge at a later stage.

Salient features of this book are :

- ✦ **Detailed CBSE guidelines** regarding the distribution of marks.
- ✦ **Detailed Format of Case Profile** along with a sample case profile to enhance the understanding of the students.
- ✦ Details regarding various concepts that can be tested during practical.
- ✦ Includes details regarding history of testing, tools and techniques etc.
- ✦ A detailed format of **Practical File** is given. This includes five psychometric tests with detailed written report.



Employability Skills are soft skills that are required by the employer in the employee. These skills equip the employees with ability to do their job to the best of their ability. These books will enrich the learners' soft skills by knowing how to communicate in clear and concise language. This will help the people to maintain a better relationship with the client or the customer. Keeping this in mind, **A Textbook of Employability Skills** has been developed as per the latest syllabus and examination pattern prescribed by the CBSE. This part gives an important component of the knowledge of students for landing jobs and doing well at it.

Salient features of the books are :

- ✦ The language in the book is deliberately kept to be reader-friendly, allowing easy accessibility and grasp of knowledge.
- ✦ **Communication Skills** inculcates the knowledge related to speaking styles, ways of self-expression and attitude towards others.
- ✦ **Self-Management Skills** deals with skills to manage your mind and focus and how to destress yourself.
- ✦ **ICT Skills** deals with computer and Internet related basic knowledge that lets you do computer-based work.
- ✦ **Entrepreneurial Skills** helps to learn how to become an entrepreneur and a business leader and the qualities they possess.
- ✦ **Green Skills** helps to develop those skills needed to adapt products, services and processes to climate change and the related environmental requirements and regulations. Green Skills talks about goals set by countries around the world in order to achieve **Sustainable Development Goals** known as **Agenda 2030**.

As per the Latest Skill Education Curriculum prescribed
by the Central Board of Secondary Education, New Delhi

For Class 11

A Textbook of **Employability Skills**

- ☑ Communication Skills
- ☑ Self-Management Skills
- ☑ Information and Communication Technology (ICT) Skills
- ☑ Entrepreneurial Skills
- ☑ Green Skills



GOYAL BROTHERS PRAKASHAN

As per the Latest Skill Education Curriculum prescribed
by the Central Board of Secondary Education, New Delhi

For Class 12

A Textbook of **Employability Skills**

- ☑ Communication Skills
- ☑ Self-Management Skills
- ☑ Information and Communication Technology (ICT) Skills
- ☑ Entrepreneurial Skills
- ☑ Green Skills



GOYAL BROTHERS PRAKASHAN

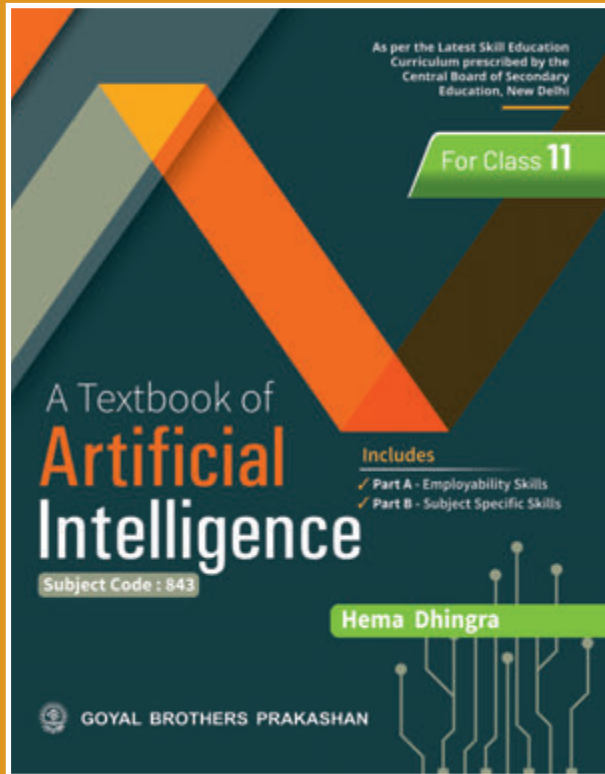
• Hema Dhingra

A Textbook of Artificial Intelligence fulfills all the needs and requirements of the latest syllabus released by the CBSE and it also comprises the recommendations of the National Education Policy 2020 which focusses on development of critical thinking, life skills, problem solving skills, experiential learning, etc.

Artificial Intelligence forms the basis for all computer learning and is the future of all complex decision making. Artificial Intelligence (AI) is the basis for mimicking human intelligence processes through the creation and application of algorithms built into a dynamic computing environment.

These books are divided into three parts :

- ✘ **Part A** deals with **Employability Skills** with units name **Communication Skills, Self-Management Skills, ICT Skills, Entrepreneurial Skills** and **Green Skills**.
- ✘ **Part B** deals with **Subject Specific Skills** with units related to **Artificial Intelligence** including **Capstone Project, Model Lifecycle** and **Storytelling**.
- ✘ **Part C** deals with **Student Capstone Project (Practical)** on the Project Work.
- ✘ Each unit ends with **Recap, Key Terms** and **Test Yourself**.
- ✘ **Test Yourself** consists of exercise questions such as **MCQs, Answer the following, Activity Zone** and **Group discussion**.
- ✘ The pictorial and graphical representations and the tabulated data forms make the text comprehensive and reader-friendly.



Subject Code - 843

• Meenu Kohli • Hema Dhingra

Computer technology, large number of people and dependence on AI has led to large transactions of data throughout the world. The need to study data science has never been greater. Various types of data have to be interacted with and various technical methods are used to open files received in these transactions. Data Science is itself very much grounded on Mathematics and Statistics, and cannot be understood without relying a lot on computer science.

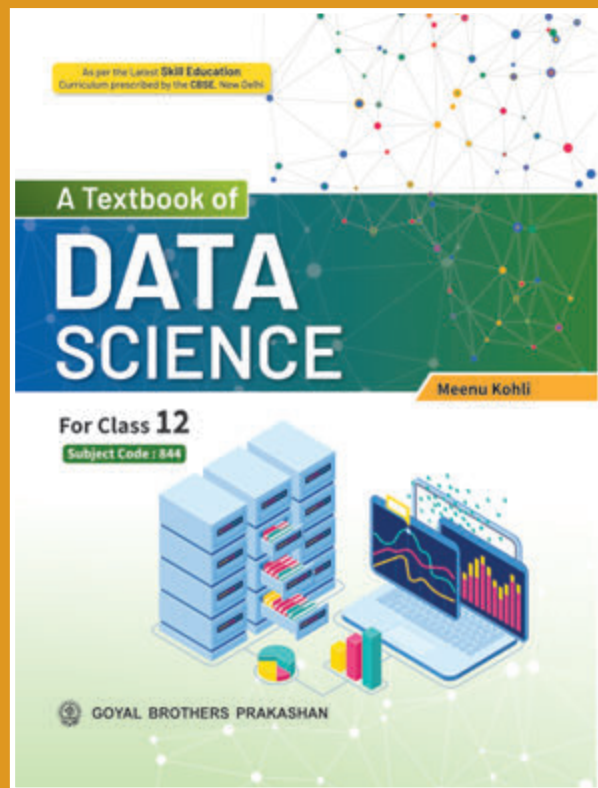
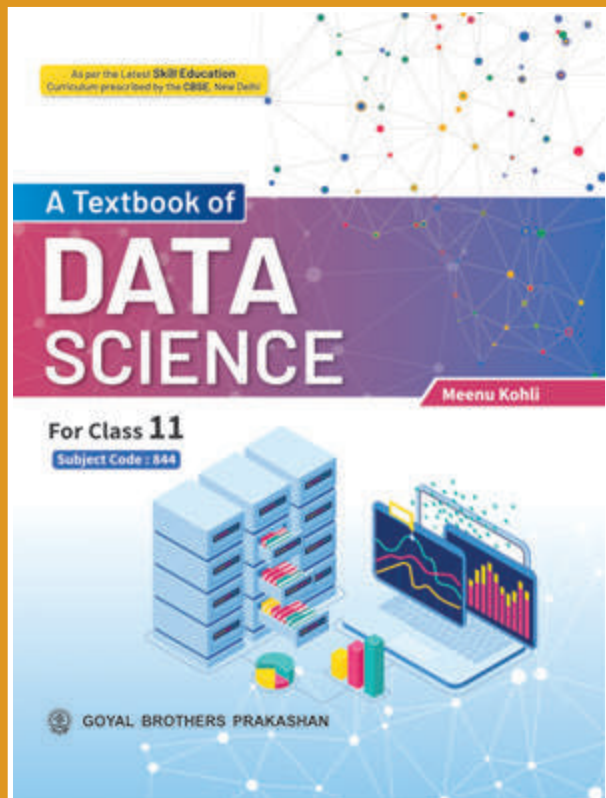
With these points in mind, the CBSE has suggested that the subject Data Science be added as a subject in Classes 11 and 12. We have come out with this book, "**A Textbook of Data Science for Classes 11 and 12.**"

The book is divided into two parts: Parts A (Employability Skills) and B (Subject Specific Skills).

- ✦ **Part A** consists of the chapters on Communication Skills – III, Self Management Skills – III, ICT Skills – III, Entrepreneurial Skills – III and Green Skills – III.
- ✦ **Part B** consists of data science related chapters. They are Ethics in Data Science, Assessing Data, Forecasting on Data, Randomization and Introduction to R Studio.

The chapters have the following features :

- ✦ **Learning Objectives:** It describes the goals to be achieved by the end of the chapter.
- ✦ **Chapter Contents:** Concepts are explained to strengthen the knowledge base of the learners.
- ✦ **Check Your Knowledge:** It gives question(s) to test the student's understanding of the chapter taught.
- ✦ **Test Yourself:** It includes questions with headings such as Multiple choice questions, Match the following, Short Answer Type questions, Long answer type questions, Activity Zone and Group Discussion.



Subject Code - 844

• Kalpana Sharma • Hema Dhingra

The book, **Web Applications** for **Classes 11 and 12** aims at providing an in-depth understanding of the CBSE curriculum. It strictly adheres to the latest syllabus and guidelines laid down by the Board.

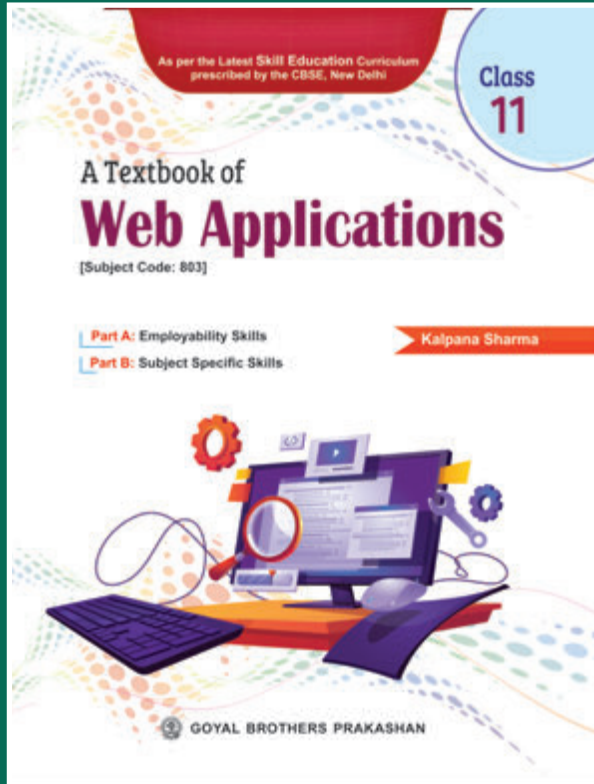
This book focuses on teaching Web Application to young learners.

It helps students to learn concepts of HTML, Javascript and CSS for inculcating web development and problem solving skills. Based on the CBSE curriculum, this book has been divided into four units: Basics of Networking and Web Architecture, Website Development using HTML and CSS, Multimedia Design – GIMP and Introduction to Dynamic Websites using JavaScript.

This book contains ample number of practical programs with easy to understand examples.

The chapters have the following features :

- ✦ **Learning Objectives:** It describes the goals to be achieved at the end of the chapter.
- ✦ **Chapter Contents:** Concepts are explained to strengthen the knowledge base of young learners.
- ✦ **Did You Know?:** It gives some extra and useful information on the topic being covered.
- ✦ **Activity Time:** It encourages the students to explore some practical knowledge of the topic being covered.
- ✦ **Check Your Knowledge:** At the end of some topics, this section is given to evaluate the knowledge of the learners. It comprises multiple choice questions, answer the following questions and practical work.
- ✦ **Test Yourself:** It includes questions with variety of headings as Multiple choice questions, Short answer type questions(I-II) , long answer questions, activity zone and group discussion.



Subject Code - 803

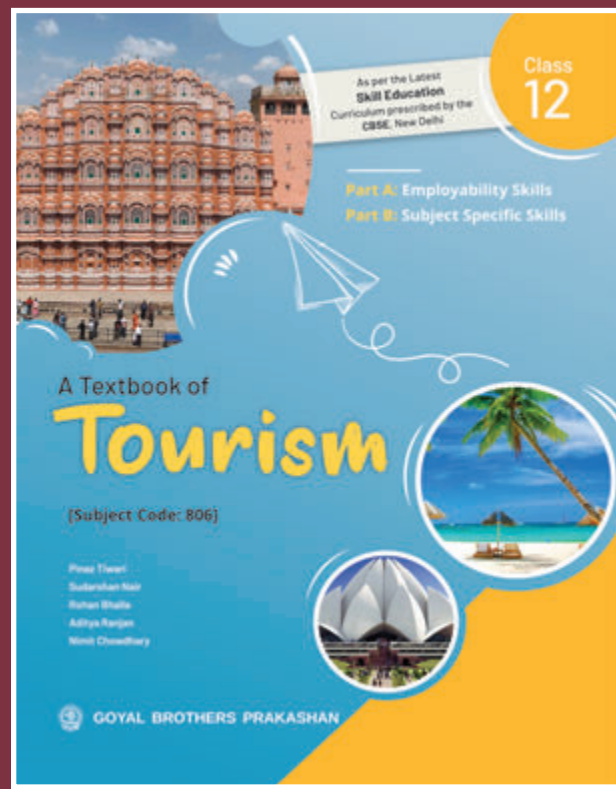
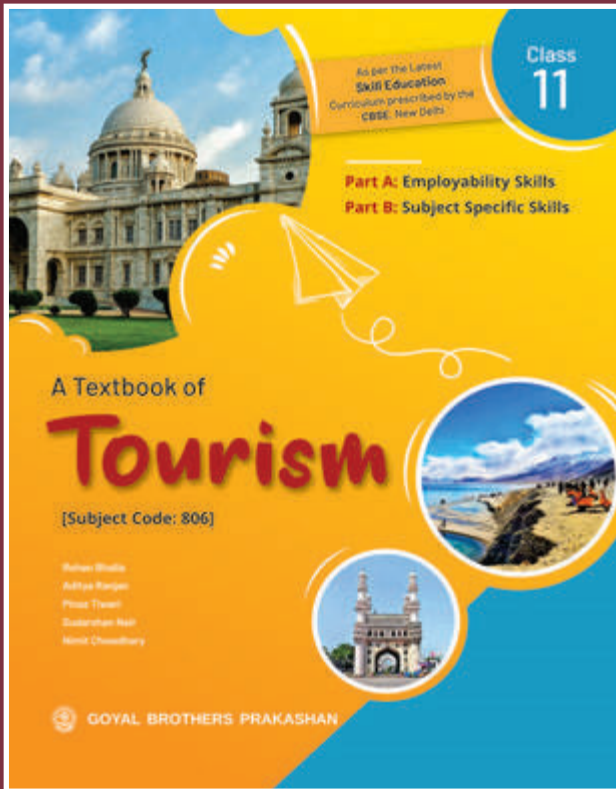
• Pinaz Tiwari • Sudarshan Nair • Rohan Bhalla • Aditya Ranjan • Nimit Chowdhary

The Tourism Sector in India is growing unprecedentedly. People's urge to discover unexplored destinations as well as to visit popular places has increased over the decades. The introduction of Travel and tourism courses as vocational subjects indicates the transformation of the Indian tourism sector. **A Textbook of Tourism for Classes 11 and 12** is designed to facilitate the job role of **Travel Blogger, Airline Staff, Hotelier, Tourism Manager, Travel Consultant, Front Office Executive, Travel Executive, Tourist Guide, Transport Agent** and **Tour Operator**.

These books have been developed as per the latest syllabus and examination pattern prescribed by the CBSE with the planned instructions consisting of units for developing employability and skills competencies among students. The language in the books is deliberately kept reader-friendly, allowing easy accessibility and grasp of knowledge.

Each unit has been divided into the following parts :

- ✦ **Introduction:** It introduces you to the unit's topic and learning objectives.
- ✦ **Relevant Knowledge:** This part of the unit provides you with the relevant information on the topics covered. The knowledge developed through this part will enable the students to perform certain activities listed at the end of each topic.
- ✦ **Assignment:** The various questions included in this part will help the students to check their understanding of the topics learned. The assignment consists of **MCQs, Fill in the blanks, True or False, Short Answer Questions (I & II), Long Answer Questions** and **Project-based Questions**.
- ✦ Every unit ends with **Summary** and **Glossary**.



Subject Code - 806

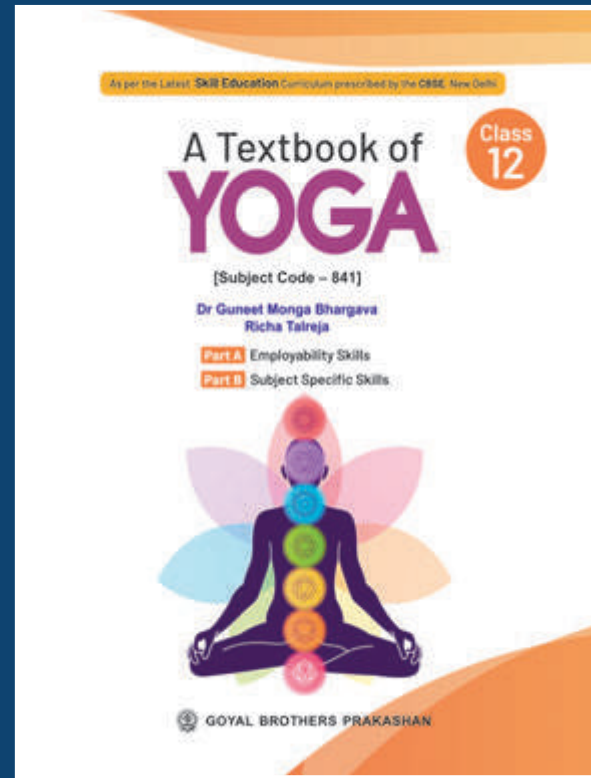
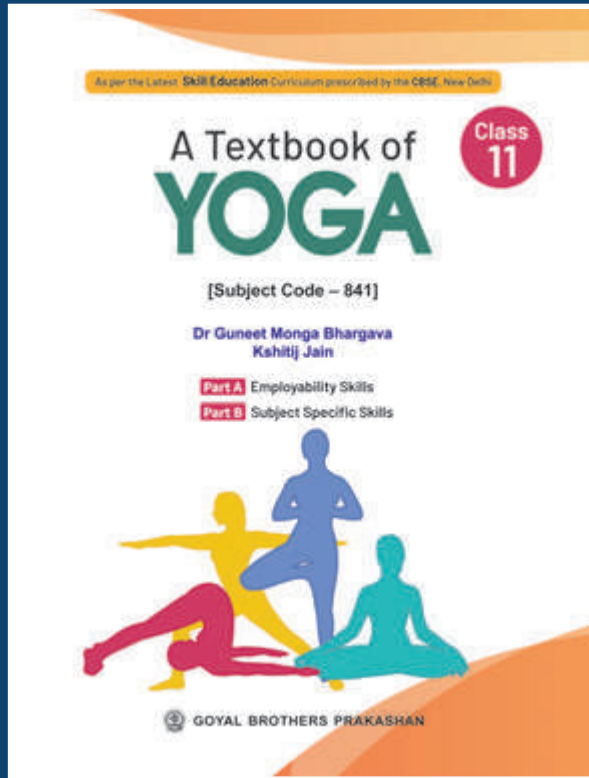
• Dr Guneet Monga Bhargava • Kshitij Jain • Hema Dhingra

A Textbook of Yoga for Classes 11 and 12 is designed to facilitate the job roles of **Yoga Teacher, Yoga Therapist, Resource Officer in Yoga, Yoga Instructor and Naturopathy Doctor**. This book has been developed as per the latest syllabus and examination pattern prescribed by the CBSE. This book is the definitive guide to the study of yoga anatomy, which provides a comprehensive foundation in the practice of yoga. It will also enlighten future generations the tremendous benefits of yoga for the body, mind and soul.

Also, it covers all aspects of yoga practice, including postures, breathing, relaxation, meditation, lifestyle and fundamental philosophy. Covering everything from basic postures to relaxation techniques and avoiding common injuries, this book is the only guide readers need to achieve their fittest, healthiest, happiest selves.

Salient features of the books are :

- ✦ The book has three units. The **first unit** aims at basic knowledge of yoga, aims and objective, its origin, historical background, rules and regulations to be followed by yoga practitioners, major schools and introductions to Yogic practice.
- ✦ The **second unit** deals with the Yogic text i.e., Patanjali Yoga Sutra, The Bhagwat Geeta, Hatha Pradapika and The Gheranda Samhita.
- ✦ The **third unit** discusses the human body, role of yoga for health promotion, yoga attitudes, and holistic approach of yoga towards health, yogic diet and yogic lifestyle. In the demonstration and practice skills we have briefly elaborated about Suryanamaskar, Asana, Pranayama, Bandh, Mudra and their benefits.
- ✦ Sincere attempts have been made to keep the language of the book simple.
- ✦ The concepts have also been explained through postures and asanas. This will allow the students to have a swift reading of the books, making the content of the book easy to understand.



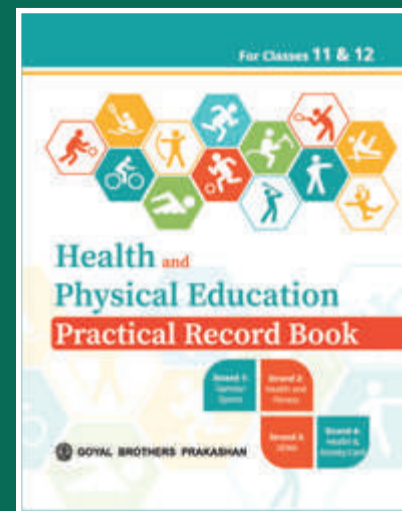
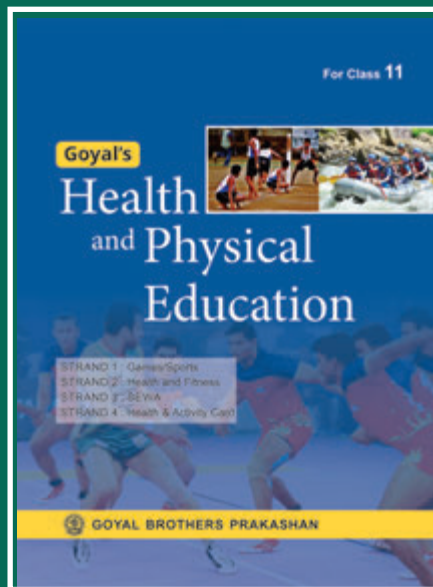
Subject Code - 841

• Prof. B.C. Kapri

The books, **Goyal's Health and Physical Education** for **Classes 11 and 12** have been developed keeping in mind the needs and requirements of the latest guidelines prescribed by CBSE.

Salient features of these books are :

- ✦ **Lucid language** has been used to aid students to grasp the concept.
- ✦ **Photographs, illustrations and tables** have been given as aids to provide proper steps or methods to carry out physical exercises.
- ✦ To **emphasise on concepts of leadership and sportsmanship**, examples from past and present achievers from various fields have been given.
- ✦ Students are encouraged to **achieve the goals of physical fitness and gain benefits of good health** through sports, games, aerobics, yoga, etc.
- ✦ **Sensitivity towards the differently abled members** of the society have been dealt with appropriate examples and modifications in the activities.
- ✦ All the Health and Physical activities have been grouped under four strands :
 - Strand 1 — Games and Sports
 - Strand 2 — Health and Fitness
 - Strand 3 — SEWA
 - Strand 4 — Health and Activity Card



Merit Box Goyal's Online Support



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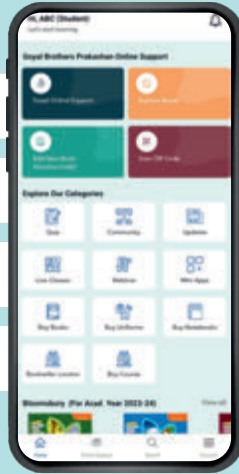
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