

**SYLLABUS****SESSION 2024–25****CLASS – X**

For further details students must go through I.C.S.E. 2025 Syllabus Booklet.

**ENGLISH LANGUAGE****Term 1****March****A guide to writing****Learning Outcome-**

Students will learn, effective communication, reflection and self-expression.

**1. Composition****Learning Outcome-**

Students will learn and apply techniques to develop and present a personal narrative memoir. They will take their writing through all stages of the writing process. It will help them understand plot, dialogue, transitions and descriptive details.

**Composition****Narrative Writing****Learning Outcome-**

It helps students to make their writings more interesting by narrating a tale or a story in a meaningful contexts. It can be real or imaginative.

**Test paper 1-2****Composition****Descriptive Writing****Learning Outcome-**

It helps students to make their writings more interesting by using new words in meaningful contexts. It tends to include figurative language such as simile, metaphor and onomatopoeia.

**April****Composition****Reflective Writing****Learning Outcome-**

It helps students to learn how to write a coherent idea in first person account. Which leaves a lasting impression on readers.

**Test paper 3-5****Grammar****Direct and Indirect Speech****Learning Outcome-**

They will learn rules for converting Direct to Indirect Speech and Indirect to Direct Speech.

**Grammar****Active and Passive Voice****Learning Outcome-**

This will help the students distinguish between active and passive voice in sentence and why is it appropriate to use in certain contexts.

**2. Letter Writing****Formal Letters****Learning Outcome-**

Life is very fast and moving these days so these kind of letters will help them to be precise and short.

**Letter Writing****Informal Letters****Learning Outcome-**

Students will learn to write an informal letter to their classmates or to their dear and near ones

**May****3.****Notice Writing and E-mail Writing****Learning Outcome-**

Notices help in observing or paying attention to something. E-mail help our messages to be delivered easily via-digital network. Students learn to be active and be prompt in their work.

**4. Comprehension****Precision in Comprehension****Learning Outcome-**

In this fast moving world you need to be very fast and precise. Precision in comprehension helps the students to do so.

**Test paper 6-10**

**Functional Grammar Transformation of sentences-I**

**Learning Outcome-**

As a student modeling and developing reading fluency, vocabulary, parts of grammar are an important part of their life. Transformation of sentences help them to do so.

**July**

**Functional Grammar**

Transformation of sentences-II

**Learning Outcome-**

Students will practice the rules of transforming sentences

The sequence of tenses

**Learning Outcome-**

Here the students will learn how to deal with a particular point or idea.

**Test paper 11-14**

**I Unit Test Syllabus –**

Reflective Writing / Active and passive voice

**Term 2**

**July**

**Test paper 15**

**August**

**Test paper 16-18**

**Composition**

**Argumentative Writing**

**Learning Outcome-**

Here the students learn the importance of supporting evidence in an argument. Recognize the difference between ways to organize a written argument as well as writing an essay by using evidence and refuting opposing views.

**Composition**

**Story Writing**

**Learning Outcome-**

To develop writing skills in the context of writing a short story. It also helps the students to develop the ability to identify and use narrative tenses when writing.

**Grammar**

**Agreement of verb with the subject**

**Learning Outcome-**

Students will learn to frame sentences that agrees with the verb form..

**Tense**

**Learning Outcome-**

At times we face a lot of problem with various kinds of Tense issues. In order to get through these problems, we need to lodge in mind the use of tenses.

**September**

**Preposition**

**Learning Outcome-**

Students will be able to define their sentences with proper use of preposition and their right placement.

**Grammar**

**Synthesis of Sentences**

**Learning Outcome-**

It is very necessary to speak properly and correctly in our day to day life. Correct sentence structure is very important for this.

**October**

**Test paper 19-20**

**Grammar**

**vocabulary in context**

**Learning Outcome-**

It is very necessary to speak properly and correctly in our day to day life, its not about the words we learn its about the way we say.

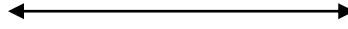
**Term 3**

**November**

**Test paper 21-25 Revision Directed Writing**

**December**

**Revision Notice / Email**

**January****Revision Letter – [formal]****February****Revision Letter – [informal]**

## ENGLISH LITERATURE

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**Term 1****March****Play**

Act III ScI [Pages 102-120] + WB

**Learning Outcome –**

Students will be able to realise why Caesar refuses to pardon his banished brother and they will also know why conspirators will try to quell the noise. Moral received is no matter what one must never give into the incites.

**Prose**

-

**Poetry**

Haunted houses+ WB

**Learning Outcome –**

Through this poem students are made aware about the connection between the spirit world of ghost and the present world of living.

**April****Play**

Act III Sc II–III [Pages 122 – 142] + WB

**Learning Outcome-**

Through these scenes the students will be able to understand the chronology and how the scene in the forum immediately follows the scene in the capitol. scene I highlights the oratory skills of Antonio and scene II shows the outcome of his speech that has roused the illogical and the irrational mob.

**Prose**

With the photographer + WB

**Learning Outcome-**

This story exposes the theme of Humiliation. The students will learn how physical appearance can exploit a man who just wanted to be photographed.

**Poetry**

The Glove and the Lions+ WB

**Learning Outcome-**

It teaches us that true love needs no validation and authentication and pride always comes before fall that's why we must not push our luck too far.

**May****Play**

Act IVSc I-III [Pages 144 – 173] + WB

**Learning Outcome –**

Students are getting introduced to the worst phase of Antonio as his ruthless, ambitious and hypocritical nature come out to be the highlight of the first scene. scene II will show how adversely the differences between Brutus and cassius affected their friendship. Scene III is popularly known as the Quarrel scene.

**Prose**

The Elevator+ WB

**Learning Outcome –**

The story come in with a strong message that one must not be afraid of facing fear. The character of the protagonist will introduce the worst outcome of being bullied at school which will motivate the children to be sensitive towards such issues.

**Poetry**

When great Trees fall+ WB

**Learning Outcome –**

The poem teaches us the meaning of death and its impact on the living, more generally the poem suggests that heroic individuals can drive broad cultural change.

**July****Play**

-

**Prose**

-

**Poetry**

The Girl who can+ WB

**Learning Outcome**

Through this story the students will learn about the strength of a women in a subtle but convincing manner.

**I Unit Test Syllabus –**  
 Haunted Houses

**Term 2**

**July**

**Play** Introduction to Act V[Page 174]

**Learning Outcome–**

The students will be introduced to the reconciliation of the drama.

**Prose** -

**Poetry** -

**August**

**Play** Act V Sc I-III[Pages 174-192] + WB

**Learning Outcome –**

The fifth act foreshadows the gloom and the disaster. It is preparation of the last battle and is full of suspense. Scene I will show how remorseful Brutus is which will teach the children that nothing ill can ever last long. Scene II is an introduction to the final battle, Brutus will lead the battle as general. Scene III teaches the students that how Brutus and Cassius will discard their philosophy when in need.

**Prose** The Pedestrian+ WB

**Learning Outcome –**

Students are taught the theme of nonconformity and how it is contrasted and expressed distinctly against conformity.

**Prose** -

**Poetry** A considerable speck+ WB

**Learning Outcome**

The students will learn to appreciate the use of mind, its creativity and imaginative powers.

**September**

**Play** Act V Sc IV-V [Pages 194-202] + WB

**Learning Outcome –**

The following scene will teach the students about the value of loyalty through the character of Lucilius. The final scene will show that every thing has an end nothing lasts forever.

**Prose** -

**Poetry** The power of music+ WB

**Learning Outcome –**

The students will learn that good music is soothing but when music becomes noise and cacophonous then as a singer we must be mindful and not cause distress to others.

**October**

**Play** -

**Prose** The Last Lesson+ WB

**Learning Outcome –**

The students will learn about the evils of linguistic chauvinism, regret for postponement of learning and Brutality of war..

**Term 3**

**November**

**Play** Revision Character description

**Prose** Revision Discussion on conclusions

**Poetry** Revision Poet's introspect

**December**

**Play** Revision Play – Act III

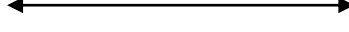
**Prose** Revision

**Poetry** Revision

**January**

**Play** Revision Act IV

<b>Prose</b>	<b>Revision</b>
<b>Poetry</b>	<b>Revision</b>
<b>February Play</b>	<b>Revision Act V</b>
<b>Prose</b>	<b>Revision</b>
<b>Poetry</b>	<b>Revision</b>



## HINDI LANGUAGE

### **Term 1**

#### **March**

प्रस्ताव—

31—दीपावली

सीखने का प्रतिफल—

दीपावली आशा प्रकाश, ज्ञान एवं सौहार्द का पर्व है, यह हमारे जीवन में प्रेम, उत्साह और आनंद का संचार करता है।

32—विज्ञान—वरदान या अभिशाप

सीखने का प्रतिफल—

विज्ञान मानव के लिए वरदान तथा अभिशाप दोनों हैं। इसलिए विज्ञान का सार्थक प्रयोग करें। यह मनुष्य के प्रयोग पर निर्भर करता है।

33—अपराध की समाप्ति

सीखने का प्रतिफल—

मृत्युदंड से समाज का परिष्कार नहीं किया जा सकता, दंड मानव के सुधार के लिए होता है।

34—दूसरे गृह की यात्रा

सीखने का प्रतिफल—

दूसरे संसार की कल्पना की अनुभूति अत्यंत सुखदाई होती है।

35—ऐतिहासिक तथा धार्मिक यात्रा

सीखने का प्रतिफल—

धार्मिक तथा ऐतिहासिक पृष्ठभूमि का ज्ञान एवं रचनात्मक शक्ति का विकास होता है।

कहानी—

54—जैसी करनी वैसी भरनी

सीखने का प्रतिफल—

अपने कर्मों का फल सबको मिलता है इसलिए हमें सदैव अच्छे कार्य करने चाहिए।

55—आ बैल मुझे मार

सीखने का प्रतिफल—

जान बूझकर मुसीबत को आमंत्रित नहीं करना चाहिए।

चित्र अध्ययन—

चित्र नं0 7, 8 पेज नं0 124

सूक्ष्म संकेत को अपनी भाषा में पिरोने की शक्ति का विकास होता है।

औपचारिक पत्र—

23—जल संस्थान के अधिकारी को जल आपूर्ति नियमित करवाने के लिए पत्र।

24—मुख्यमंत्री को पत्र लिखकर अपने सहपाठी की बहादुरी से अवगत कराना।

25—स्वास्थ्य अधिकारी को पत्र लिखकर खाने की वस्तुओं में मिलावट की शिकायत कीजिए।

सीखने का प्रतिफल—

औपचारिक पत्रों द्वारा संबंधित व्यक्ति को सूचनाएँ तथा तथ्यों को पहुँचाने का ज्ञान।

पर्याय वाची शब्द—

बंदर से वायु तक पेज नं 250—251

सीखने का प्रतिफल—

पर्यायवाची शब्द, भाषा के सौंदर्य को बढ़ाने में सहायक होते हैं।

विशेषण—

शरण से खटास तक पेज नं0 238

सीखने का प्रतिफल—

संज्ञा सर्वनाम की विशेषताओं का बोध होता है।

#### **April**

प्रस्ताव—

36—दशहरा

सीखने का प्रतिफल—

ऐसे पर्व हमारे मानसिक व चारित्रिक विकास में सहायक होते हैं।

- 37-वार्षिक उत्सव  
सीखने का प्रतिफल-  
रचनात्मक शक्ति तथा प्रतिभा का विकास
- 38- प्रकृति का संदेश  
सीखने का प्रतिफल-  
प्रकृति मानव की सहचरी है वह हमें विविध रूपों से शिक्षित कराती है।
- 39-आदर्श मित्र  
सीखने का प्रतिफल-  
सच्चा तथा आदर्श मित्र ही हमारा शुभचिंतक होता है जो हमारा सही मार्गदर्शन कराता है।  
अनौपचारिक पत्र-  
11-पत्र लिखकर पिता जी को विश्वास दिलाइए कि अब आपका मन पढाई में लग रहा है।  
12-आपके विद्यालय में वन महोत्सव किस प्रकार मनाया गया इस संबंध में पिता जी को पत्र।  
सीखने का प्रतिफल-  
अनौपचारिक पत्रों द्वारा स्वजनों से बात करने का बोध होता है।  
भाववाचक संज्ञा-  
अस्ति से बचाना तक पेज नं0 217  
सीखने का प्रतिफल-  
संज्ञा के गुण-दोष, भाव-दशा, का बोध होता है।  
विलोम-  
धनी से मुख्य तक पेज नं0 259-260  
सीखने का प्रतिफल-  
विपरीतार्थक शब्दों के प्रयोग से वाक्य प्रभावशाली बनता है।  
अनेक शब्दों के लिए एक शब्द-  
72 से 100 तक पेज नं0 274  
सीखने का प्रतिफल-  
भाषा को संक्षिप्त करने में सहायक होते हैं।  
अनेकार्थी शब्द-  
46 से 58 तक पेज नं0 265  
सीखने का प्रतिफल-  
एक शब्द के भिन्न-भिन्न अर्थों का ज्ञान।  
मुहावरें-  
76 से 100 तक पेज नं0 315 - 316 तक  
सीखने का प्रतिफल-  
मुहावरों के प्रयोग से भाषा रोचक और चमत्कृत हो जाती है।  
वाक्य परिवर्तन- पेज नं0-300-301  
सीखने का प्रतिफल-बिना बाधा के वाक्य पूरा करने में सहायक होते हैं।  
शुद्ध-अशुद्ध - आलस्यता से पौरुषत्व तक पेज नं0 289

## May

- तत्सम-  
अंधा से हाथ तक पेज नं0 255  
सीखने का प्रतिफल-  
हिंदी भाषा को शुद्ध रूप में लिखने में सहायक होते हैं।  
उपसर्ग-  
हिंदी के उपसर्ग पेज नं0 278  
सीखने का प्रतिफल-  
मूल शब्दों के पहले उपसर्ग जोड़कर हम नये शब्दों की रचना करते हैं।  
प्रत्यय-  
तद्धति प्रत्यय- 1 से 21 तक पेज नं0 280  
सीखने का प्रतिफल-  
मूल शब्दों के बाद में प्रत्यय जोड़कर हम नये शब्दों की रचना करते हैं।  
कहानी-  
56-'जाको राखे साइयाँ मार सके न कोय'  
सीखने का प्रतिफल-  
बौद्धिक क्षमता का विकास/ईश्वर अपने भक्तों की रक्षा करता है।  
एकार्थक- 20 से 30 तक पेज नं0 269  
सीखने का प्रतिफल-  
अर्थ में थोड़ी बहुत समानता होते हुए भी अर्थ और प्रयोग की दृष्टि से सूक्ष्म अंतर होता है।  
लोकोक्तियाँ- 21 से 40 तक पेज नं0 320 -321 तक  
इनसे अप्रस्तुत कथन का सहारा लेकर प्रस्तुत अर्थ को स्पष्ट करने की क्षमता का विकास होगा।

## July

अपठित गद्यांश- 10 से 14  
सीखने का प्रतिफल -  
रचनात्मक शक्ति का विकास होता है।

### 1 Unit Test Syllabus

पर्यायवाची-बंदर से वायु तक  
विशेषण-शरण से खटास तक  
भावाचक-अस्ति से बचाना तक  
विलोम-धनी से मुख्य तक  
मुहावरे-76 से 100 तक  
वाक्य परिवर्तन-  
शुद्ध-अशुद्ध-

### Term 2

## July

प्रस्ताव-  
40-यदि आप विद्यालय के प्राचार्य/प्राचार्या बन जाय तो आपके क्या कर्तव्य होंगे।  
सीखने का प्रतिफल-  
विद्यालय के विकास के लिए अनेक जिम्मेदारियों का बोध होगा।

## August

40- आदर्श प्रधानाचार्य  
सीखने का प्रतिफल-  
विद्यालय के विकास के लिए अनेक जिम्मेदारियों का बोध होगा।  
प्रस्ताव-  
41-मेरी प्रिय पुस्तक- राम चरित मानस  
सीखने का प्रतिफल-  
अच्छी पुस्तकें ज्ञान में वृद्धि के साथ-साथ आध्यात्मिक और ,चारित्रिक, विकास करती हैं।  
42- रुपये के रूप  
सीखने का प्रतिफल-  
रचनात्मकता व कल्पनाशीलता का विकास होता है।  
43-भ्रष्टाचार-  
सीखने का प्रतिफल-  
अपने कर्तव्यों को भूलकर सामाजिक नियमों की अवहेलना नहीं करनी चाहिए।  
44-नेताजी सुभाष चन्द्र बोस  
सीखने का प्रतिफल-  
छात्र स्वतंत्रता संग्राम सेनानियों के बारे में जानेंगे।  
45-सत्संगति  
सीखने का प्रतिफल-  
जीवन में संगति का प्रभाव पड़ता है।  
46-मेरा शौक  
सीखने का प्रतिफल-  
हर व्यक्ति के शौक अलग-अलग होते हैं।  
47-स्वतंत्रता दिवस  
सीखने का प्रतिफल-  
छात्र राष्ट्रीय पर्वों के महत्त्व के बारे में जानेंगे।  
कहानी-  
57-शठ सुधरहिं सत्संगति पाई'-  
सीखने का प्रतिफल-  
अच्छी संगति के प्रभाव से बुरा व्यक्ति भी सुधर जाता है।  
58-'झूठ के पाँव नहीं होते' या 'सत्य की कभी हार नहीं होती'।  
सीखने का प्रतिफल-  
सत्य पर चलने वाला परेशान हो सकता है परंतु पराजित नहीं हो सकता।  
चित्र अध्ययन-  
चित्र नं0 9,10 पेज नं0-225  
सीखने का प्रतिफल-  
सूक्ष्म संकेत को अपनी भाषा में पिरोने की शक्ति का विकास होता है।  
औपचारिक पत्र-  
27-शिक्षा निदेशक को गाँव में माध्यमिक विद्यालय खुलवाने का अनुरोध।

- 30—चेक बुक खो जाने पर बैंक के महा प्रबंधक को पत्र।  
 31—डाक व्यवस्था उचित न होने पर डाक पाल को पत्र।  
 सीखने का प्रतिफल—  
 जीवन में सफलता के लिए अच्छे एवं प्रभावशाली पत्र लिखने की शक्ति का विकास होता है।  
 अनौपचारिक पत्र—  
 5—छोटी बहन का बनाव श्रंगार में अधिक समय नष्ट न करने की सलाह दीजिए।  
 13—आपकी बहन परीक्षा में अनुत्तीर्ण हो गई है सांत्वना पत्र लिखिए।  
 सीखने का प्रतिफल—  
 व्यावहारिक भाषा के साथ-साथ व्यक्तिगत बातों को लिखने की कला का विकास होता है।  
 पर्यायवाची शब्द— विघ्न से हृदय तक पेज नं० 251—252 तक  
 सीखने का प्रतिफल—  
 अवसर के अनुकूल शब्दों का चयन करने से भाषा प्रभावशाली होती है।  
 विशेषण— वह से सतह तक पेज नं० 239  
 सीखने का प्रतिफल—  
 संज्ञा सर्वनाम की विशेषताओं का बोध होता है।

## September

- भाववाचक संज्ञा— मिलाना से समीप तक पेज नं० 218  
 सीखने का प्रतिफल—  
 संज्ञा के गुण—दोष, भाव—दशा का बोध होता है।  
 विलोम शब्द— मंगल से श्रव्य तक पेज नं० 260—261  
 सीखने का प्रतिफल—  
 विपरीतार्थक भाषा हास्य व्यंग्य उत्पन्न कर उसे प्रभावपूर्ण बनाती है।  
 अनेक शब्दों के लिए एक शब्द— 101 से 119 तक पेज नं० 274—275  
 सीखने का प्रतिफल—  
 भाषा को संक्षिप्त करने में सहायक होते हैं।  
 अनेकार्थी शब्द— 59 से 70 तक पेज नं० 266  
 सीखने का प्रतिफल—  
 भिन्न—भिन्न संदर्भों में भिन्न—भिन्न अर्थों के प्रयोग का बोध होगा।  
 मुहावरे— 101 से 130 तक पेज नं० 317—318 तक  
 सीखने का प्रतिफल—भाषा को चमत्कृत और रोचक बनाने के लिए मुहावरों का प्रयोग किया जाता है।  
 तत्सम— उँगली से शाम तक पेज नं० 255  
 सीखने का प्रतिफल—  
 शुद्ध हिंदी लिखने में सहायक होते हैं।  
 उपसर्ग— उर्दू—फारसी के उपसर्ग पेज नं० 278  
 सीखने का प्रतिफल—  
 मूल शब्दों के पहले जुड़कर नए शब्दों का निर्माण होता है।  
 प्रत्यय— तद्धति प्रत्यय 1 से 21 तक पेज नं० 280  
 सीखने का प्रतिफल—  
 मूल शब्दों के अंत में जुड़कर नए शब्दों का निर्माण होता है  
 वाक्य परिवर्तन— पेज नं० 302—304  
 सीखने का प्रतिफल—  
 बिना बाधा के वाक्य पूरा करने में सहायक होते हैं।  
 शुद्ध—अशुद्ध— धैर्यता से शुद्ध तक पेज नं० 289—290  
 सीखने का प्रतिफल—  
 हिंदी भाषा को शुद्ध रूप में लिखने के लिए सहायक होते हैं।  
 एकार्थक— 31 से 41 तक पेज नं० 270  
 सीखने का प्रतिफल—  
 अर्थ में थोड़ी बहुत समानता होते हुए भी अर्थ और प्रयोग की दृष्टि में सूक्ष्म अंतर होता है।  
 लोकोक्तियाँ— 41—64 तक पेज नं० 321 — 323 तक  
 सीखने का प्रतिफल—  
 लोकोक्तियों से किसी अप्रस्तुत वाक्य को लेकर प्रस्तुत अर्थ को प्रकट करने की क्षमता होती है।  
 अपठित गद्यांश— 15, 16, 17  
 सीखने का प्रतिफल—  
 रचनात्मक शक्ति का विकास होता है।

## October

## Revision

- 59—घर का भेदी लंका ढाए  
 सीखने का प्रतिफल—  
 अपनों से लड़ाई नहीं करनी चाहिए।



60—पर उपदेश कुशल बहु तेरे  
सीखने का प्रतिफल—  
दूसरों को उपदेश देने में सभी कुशल होते हैं, परन्तु स्वयं नहीं कर पाते हैं।  
61—ईश्वर जो करता है अच्छा ही करता है  
सीखने का प्रतिफल—  
जीवन में घटित होने वाली घटनाओं से घबराना नहीं चाहिए।  
पर्याय वाची शब्द—  
विलोम शब्द—  
विशेषण—  
भाववाचक—  
शुद्ध—अशुद्ध

**Term 3****November****Revision**

वाच्य परिवर्तन  
मुहावरे  
लोकोक्तियाँ  
पत्रलेखन

**December**

मॉडल पेपर

**January****Revision**

मॉडल पेपर

**February****Revision****HINDI LITERATURE****Term 1****March**

साहित्य सागर—  
संक्षिप्त कहानियाँ – 7 – संदेह  
सीखने का प्रतिफल—  
परिस्थितियाँ मानव-मन में विभिन्न प्रकार के संदेहों को जन्म देती हैं।  
साहित्य सागर—  
पद्य— 7 विनय के पद  
सीखने का प्रतिफल—  
इस संसार में भगवान श्रीराम से उदार और कोई देवी देवता नहीं है।

**April**

एकांकी संचय—

महा भारत की एक सांझ

सीखने का प्रतिफल—

महाभारत के युद्ध के लिए दुर्योधन का हट ही जिम्मेदार नहीं था बल्कि पांडवों की महत्त्वाकांक्षा भी समान रूप से उत्तरदायी थी।

**May**

साहित्य सागर—

संक्षिप्त कहानियाँ— 8— भीड़ में खोया आदमी

सीखने का प्रतिफल—

जनसंख्या वृद्धि पर नियंत्रण किए बिना मानवीय समस्याओं को कम नहीं किया जा सकता है।

साहित्य सागर—

पद्य— 8 – भिक्षुक

सीखने का प्रतिफल—

कवि भिक्षुकों को अभिमन्यु की भाँति अपने अधिकारों के लिए संघर्ष करने की प्रेरणा दे रहा है।

**July****Revision**

## **1 Unit Test Syllabus**

साहित्य सागर—  
7—विनय के पद

### **Term 2**

#### **July**

साहित्य सागर—  
संक्षिप्त कहानियाँ— 9—भेड़ और भेड़िए  
सीखने का प्रतिफल—  
प्रजातंत्र के नाम पर स्वार्थी, ढोंगी, चालाक राजनेता भोली भाली जनता का शोषण करते हैं।

#### **August**

साहित्य सागर—संक्षिप्त कहानियाँ—9 भेड़ और भेड़िए  
साहित्य सागर —  
पद्य— 9—चलना हमारा काम है  
सीखने का प्रतिफल—  
कविता द्वारा कवि जीवन की चुनौतियों का सामना करते हुए अपने गंतव्य की ओर बढ़ने की प्रेरणा देता है।  
साहित्य सागर —  
संक्षिप्त कहानियाँ— 10 दो कलाकार  
सीखने का प्रतिफल—  
कहानी द्वारा लेखिका ने सच्चे कलाकार की सच्ची पहचान का बोध करवाया है।

#### **September**

एकांकी संचय—  
6—दीपदान  
सीखने का प्रतिफल—  
राजपूत वीरांगना 'पन्ना धाय' के कर्तव्यों एवं अभूतपूर्व बलिदान का बोध होता है।  
साहित्य सागर—  
पद्य—10— मातृमंदिर की ओर  
सीखने का प्रतिफल—  
कवयित्री मातृभूमि की रक्षा करने के लिए अपना सर्वस्व न्योछावर कर देने का बोध कराती हैं।

#### **October**

1—संस्कार और भावना  
2— बहू की विदा  
3—मातृ भूमि का मान

#### **Revision**

### **Term 3**

#### **November**

साहित्य सागर —  
संक्षिप्त कहानियाँ—  
1—बात अठन्नी की  
2—काकी  
3—महायज्ञ का पुरस्कार  
पद्य—  
1—साखी  
2—गिरधर की कंडलियों  
3—स्वर्ग बना सकते हैं।  
एकांकी संचय  
4—सूखी डाली

#### **Revision**

#### **December**

साहित्य सागर—  
संक्षिप्त कहानियाँ—  
4—नेता जी का चश्मा  
5—अपना—अपना भाग्य  
6—बड़े घर की बेटी  
साहित्य सागर—  
पद्य—  
4—वह जन्म भूमि मेरी  
5—मेघ आए

#### **Revision**

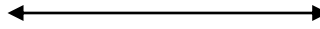
6-सूर के पद

**January**

एकांकी संचय-  
5-महाभारत की सांझ  
6-दीपदान  
साहित्य सागर-पद्य  
7-विनय के पद  
8-भिक्षुक  
9-चलना हमारा काम है

**Revision****February**

10-मातृ मंदिर की ओर

**HISTORY / CIVICS****Term 1****March****History****Chapter 1****Mapbook:-****The First War of Independence (1857)**

Chapter 1 – The First War of Independence (1857)

**Learning Outcome-**

To recognise the reasons and importance of First War of Independence in 1857.

**Chapter 2A:****Factors Leading to the Rise of Nationalism****Chapter 2B:****Foundation of the Indian National Congress****Mapbook:-**

Chapter 2 – Factors Leading to the Growth of Nationalism

**Learning Outcome-**

Learner will be able to know the causes &amp; factors for the growth of Nationalism in India &amp; the formation of Indian National Congress.

**Civics****Chapter 1****The Union Parliament****Learning Outcome-**

Learner will know the meaning of the Parliament along with the power and functions of the Union Parliament.

**April****History****Chapter 3****Mapbook:-****First phase of the Indian National Movement (1885-1907)**

Chapter 3 – Phases of the Indian National Movement (1885-1916)

**Learning Outcome-**

Learner will be able to recognise the objectives and methods of Early Nationalists.

**Chapter 4****Partition of Bengal and the Swadeshi Movement****Mapbook:-**

Chapter 3 – Phases of the Indian National Movement (1885-1916)

**Learning Outcome-**

Learner will recognise the causes of the Partition of Bengal and its perspective.

**Chapter 5****Rise of Militant Nationalism****Mapbook:-**

Chapter 4 – Mass Phase of the National Movement (1915-1947)

**Learning Outcome-**

Learner will recognise the methods and objectives of the militant Nationalists.

**Chapter 6****The Muslim League and the Growth of Communalism****Mapbook:-**

Chapter 4 – Mass Phase of the National Movement (1915-1947)

**Learning Outcome-**

Learner will get the factors for the formation of Muslim League and its objectives.

**Civics****Chapter 2****The Union Executive: The President and the Vice-President****Learning Outcome-**

Learner will be able to know the qualifications, power and functions of the President and the Vice-President of India.

**May**

**History**

**Chapter 7**

**Mahatma Gandhi and the 'Mass' Phase of Indian Nationalism (1917-1944)**

**Mapbook:-**

Chapter 4 – Mass Phase of the National Movement (1915-1947)

**Learning Outcome-**

Learner will recognise the role of Mahatma Gandhi and his movements for Freedom of India.

**Chapter 8**

**Subash Chandra Bose and Formation of INA**

**Mapbook:-**

Chapter 4 – Mass Phase of the National Movement (1915-1947)

**Learning Outcome-**

Learner will be able to know about the role of Subash Chandra Bose in the struggle of freedom.

**Chapter 9**

**Independence of India and the Creation of Pakistan**

**Mapbook:-**

Chapter 5 – Independence and Partition

**Learning Outcome-**

Learner will be able to get the clauses of Mountbatten Plan and the Indian Independence Act. (Contemporary World)

**Chapter 1**

**The First World War (1914-1918)**

**Mapbook:-**

Chapter 6 – The First World War

**Learning Outcome-**

Learner will be able to get the causes and result of the First World War.

**Civics**

**Chapter 3**

**The Prime Minister and the Council of Ministers**

**Learning Outcome-**

Learner will be able to know the power and functions of the Prime Minister and Council of Minister.

**July**

**History**

**Chapter 2**

**(Contemporary World)  
War and the Terms of Peace**

**Mapbook:-**

Chapter 6 – The First World War

**Learning Outcome-**

Learner will get the terms of the Treaty of Versailles.

**Chapter 3**

**The League of Nations**

**Mapbook:-**

Chapter 6 – The First World War

**Learning Outcome-**

Learner will be able to know about the formation of the League of Nations.

**Chapter 4**

**Rise of Fascism and Nazism**

**Mapbook:-**

Chapter 7 – Rise of Dictatorships: Fascism and Nazism

Chapter 8 – The Second World War

**I Unit Test Syllabus**

**History**

**Chapter 1**

**The First War of Independence (1857)**

**Term 2**

**July**

**Civics**

**Chapter 4**

**The Supreme Court**

**Learning Outcome-**

Learner will recognise the composition of the Supreme Court and its Jurisdictions.

**August**

**Civics**

**Chapter 4**

**The Supreme Court (To be continued)**

**History**

**Chapter 5**

**United Nations Organisation**

**Mapbook:-**

Chapter 9 – United Nations Organization

**Learning Outcome-**

Learner will be able to know the objectives of UNO and functions of its organs

**Chapter 6**

**Major Agencies of the United Nations**

**Mapbook:-**

Chapter 9 – United Nations Organization

**Learning Outcome-**

Learner will get the knowledge of the Major Agencies of the UNO

**September**

**History**

**Chapter 7**

**The Cold War**

**Learning Outcome-**

Learner will be able to know the causes of the cold war.

**Chapter 8**

**The Non-Aligned Movement**

**Mapbook:-**

Chapter 10 – Non Aligned Movement

**Learning Outcome-**

Learner will recognise the meaning and about the architects of NAM.

**October**

**Civics**

**Chapter 5**

**The High Court**

**Learning Outcome-**

Learner will be able to know the details of the State Judiciary

**Chapter 6**

**Subordinate Courts and Lok Adalats**

**Learning Outcome-**

Learner will recognise the structure of subordinate courts and Lok Adalat

**Term 3**

**November**

**History**

**Chapter 1**

The First was of Independence (1857)

**Chapter 2**

(A) Factors Leading to the Rise of Nationalism

**Chapter 2**

(B) Foundation of the Indian National Congress

**Chapter 3**

First Phase of the Indian National Movement (1885-1907)

**Chapter 4**

Partition of Bengal and the Swadeshi Movement

**Chapter 5**

Rise of Militant Nationalism

**Chapter 6**

The Muslim League and the Growth of Communalism

**Chapter 7**

Mahatma Gandhi and the 'Mass' phase of Indian Nationalism (1917-1944)

**December**

**History**

**Revision**

**Chapter 8**

Subash Chandra Bose and Formation of INA

**Chapter 9**

Independence of India and the creation of Pakistan

**Chapter 1**

(Contemporary World)

**Chapter 2**

The First World War (1914-1918)

**Chapter 3**

War and the Terms of Peace

**Chapter 4**

The League of Nations

**Chapter 5**

Rise of Fascism and Nazism

**Chapter 6**

United Nations Organisation

Major Agencies of the United Nations

**January**

**History**

**Revision**

**Chapter 7**

The Cold War

**Chapter 8**

The Non-Aligned Movement

**Civics**

**Revision**

**Chapter 1**

The Union Parliament

**Chapter 2**

The Union Executive: The President and the Vice-President

**Chapter 3**

The Prime Minister and the Council of Ministers

**Chapter 4**

The Supreme Court

**Chapter 5**

The High Court

**February**

**Civics**

**Revision**

**Chapter 6**

**Subordinate Courts and Lok Adalats**



**GEOGRAPHY****Term 1****March****Chapter 1****Interpretation of Topographical Maps**

Section A:

Representation of the Earth

Section B:

Topographical Maps

**Mapbook:-**

Chapter 1 – Interpretation of Topographical Maps

**Learning Outcome-**

Learner will be able to get the detail of topographical maps, features and definition of contour and contour interval. They will get the details of colour tints and conventional symbols and marking directions between different locations.

Note:- This year the practice sheets on Topo sheet are Number G43S/7 and G43S/10

**Chapter 2****Maps of India****Learning Outcome-**

Learner will get the details about outline map of India and to locate Latitude and Longitude, Plains.

**April****Chapter 3****Location, Extent and Physical Features of India****Learning Outcome-**

Learner will get the position and extent of India through maps. They will also get the physical features of India.

Note: Entire map part will be completed

**Chapter 4****Climate of India****Mapbook:-**

Chapter 2 – Climate of India

**Learning Outcome-**

Learner will recognise the different features of climate of India for example distribution of temperature, rainfall and winds.

**Chapter 5****Soils in India****Mapbook:-**

Chapter 3 – Soil Resources of India

**Learning Outcome-**

Learner will get the types of soils, their distribution and composition.

**Chapter 1****Interpretation of Topographical Maps (Continued)**

Section C:

Interpretation and Reading of Topographical Maps

**Map Work-**

Monsoon Winds, Winter rain, Major Soil Types.

**May****Chapter 6**

Natural Vegetation of India

**Mapbook:-**

Chapter 4 – Natural Vegetation of India

**Learning Outcome-**

Learner will get the importance of forests along with types of vegetation and their distribution.

**Chapter 7****Water Resources****Mapbook:-**

Chapter 5 – Water Resources of India

**Learning Outcome-**

Learner will recognise the sources of water, need for conservation of water and importance and methods of irrigation.

**Map Work-**

Rivers and Water Bodies, Plateaus and Islands, Mountains and Passes.

**July****Chapter 8****Minerals and Energy Resources in India****Mapbook:-**

Chapter 6 – Mineral and Energy Resources

**Learning Outcome-**

Learner will get the details of different kinds of minerals and energy resources along with their distribution.

Note: Toposheet (G43S/7 and G43S/10) will also be practiced.

**Map Work-**

Minerals

**I Unit Test Syllabus****Chapter 4****Climate of India****Term 2****July****Chapter 9**

Agriculture in India

**Mapbook:-**

Chapter 7 – Agriculture in India

**Learning Outcome-**

Learner will get the importance of Indian agriculture, agricultural seasons, problems and reforms.

**August**

**Chapter 9**

**Agriculture in India (To be continued)**

**Chapter 10**

**Industries in India**

**Mapbook:-**

Chapter 8 – Manufacturing Industries in India

**Learning Outcome-**

Learner will get the importance and classification of Agro based Industry and Mineral based Industry.

**Map Work-**

Population Density

**September**

**Chapter 11**

**Transport in India**

**Mapbook:-**

Chapter 9 – Transport in India

**Learning Outcome-**

Learner will get the importance and different kinds of modes of transport in India.

**Chapter 12**

**Waste Generation and Management**

Section A:

Impact of Waste Accumulation

Section B:

Need for Management of Waste

**Mapbook:-**

Chapter 10 – Waste Generation and Management

**Map Work-**

Important Cities

**October**

**Chapter 12**

**Waste Generation and Management (To be continued)**

Section C:

Methods of Safe Disposal of Waste

Section D:

Need for Reducing Reusing and Recycling

**Learning Outcome-**

Learner will recognise the impact of waste accumulation need for waste management and its methods.

**Term 3**

**November**

**Revision**

Toposheets and Maps

**Chapter 3**

Location, Extent and Physical Features of India

**Chapter 4**

Climate of India

**Chapter 5**

Soils in India

**December**

Revision

**Chapter 6**

Natural Vegetation of India

**Chapter 7**

Water Resources

**Chapter 8**

Minerals and Energy Resources in India

**Chapter 9**

Agriculture in India

**January**

Revision

**Chapter 10**

Industries in India

**Chapter 11**

Transport in India

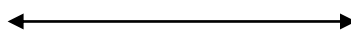
**Chapter 12**

Waste Generation and Management

**February**

**Revision**

**Toposheet and Maps**



**PHYSICS**

**For further details students must go through I.C.S.E. 2025 Syllabus Booklet.**

**Term 1**

**March**

**Chapter 1**

**Force**

**Learning Outcome-**

In the chapter “Force” students will be able to understand, the concept of turning forces with their common examples – door, steering wheel, bicycle pedal etc, Clock wise and anticlockwise moments, conditions for equilibrium of a body.

Students will be able to understand the principle of moments and centre of gravity with examples of regular bodies and irregular lamina. Uniform Circular motion and centripetal & centrifugal forces along with difference between them.

## Chapter 2 Work, Power and Energy

### Learning Outcome-

After studying this chapter, students will be able to understand the concept of work, its dependency and factors affecting, energy as work done with their various units, power and simple numerical on work, energy and power.

They will be able to understand different types of energy and energy transformation, potential and kinetic energy with proof of mathematical expressions and principle of conservation of energy along with its theoretical verification by free falling body and simple pendulum.

### Experiment 1-

Objective of the experiment:

- (i) To determine the mass of a uniform metre scale by applying law of moments.
- (ii) To use metre scale as simple machine, by balancing at 40cm, 50cm and 60cm marks respectively and hence determine.
  - (1) Mechanical advantage,
  - (2) Velocity ratio in each case.

## April

## Chapter 2 Work, Energy and Power

### Learning Outcome-

After studying this chapter, students will be able to understand the concept of work, its dependency and factors affecting, energy as work done with their various units, power and simple numerical on work, energy and power.

They will be able to understand different types of energy and energy transformation, potential and kinetic energy with proof of mathematical expressions and principle of conservation of energy along with its theoretical verification by free falling body and simple pendulum.

## Chapter 3 Machines

### Learning Outcome-

After studying this chapter students will be able to understand the concept, types, principle and working of machines. They will understand about the terms i.e. load, effort, mechanical advantage (MA), velocity ratio

(VR) and efficiency ( $\eta$ ) of machines.

They will know about pulley systems, its functions and uses.

They will be able to understand about principle of levers, their types and example of each of three classes of levers in the human body.

Pulley system: Single fixed, Single movable and block and tackle system, MA, VR and  $\eta$  in each case.

## Chapter 4 Refraction of Light at Plane Surfaces

### Learning Outcome-

Students will be able to understand,

- (i) Refraction of light through a glass block and a triangular prism, applications of refraction of light, effect on speed ( $v$ ), wavelength ( $\lambda$ ) and frequency ( $f$ ) due to refraction of light.

They will be able to understand the concept of refractive index of different media, simple applications of real and apparent depth of objects in water and simple numericals.

- (ii) Critical angle, total internal reflection and conditions for TIR and applications of total internal reflection.

Total internal reflection in a triangular glass prism with ray diagram in all cases. Use of right angle prism to obtain deviation  $\delta = 90^\circ$  and  $180^\circ$ .

### Experiment 2-

The objective of the experiment:

To determine the velocity ratio (VR) and mechanical advantage (MA) of a given pulley system and hence find its efficiency with the increase in load.

### Experiment 3- (A):

The objective of experiment is to:

- (i) Trace the course of rays of light refracting through a rectangular glass slab at different angle of incidence.
- (ii) Measure the angles of incidence, the angle of refraction and the angle of emergence.
- (iii) Measure lateral displacement.

## May

## Chapter 5 Refraction of light through lenses

### Learning Outcome-

Students will be able to understand the nature of lenses as converging and diverging, characteristics of images formed by lenses with ray diagrams, definitions of terms related to a lens, lens formula, sign convention, power of lens and magnification by a lens etc.



## Chapter 6 Spectrum

### Learning Outcome-

Students will be able to understand by this chapter about deviation produced by a triangular prism, dispersion of light and spectrum, electromagnetic spectrum, properties and uses of all electromagnetic radiations and simple applications of scattering of light.

### Experiment 3B:

The objective of the experiment:

To determine focal length of a convex lens by:

- (i) The distant object method,
- (ii) Using a needle and a plane mirror
- (iii) Using two pins and formula

$$f = \frac{u.v}{u+v}$$

### Experiment 3.1C:

The objective of experiment:

To verify  $i_1 + i_2 = A + \delta$  and  $\angle A = r_1 + r_2$  for an equilateral glass prism.

## July

## Chapter 7 Sound

### Learning Outcome-

Students will be able to understand by this chapter about reflection of sound waves, i.e. echoes, their uses and simple numerical problems on echoes. Conditions for formation of echoes. Use of echoes by bats, dolphins, fishermen, medical field and Sonar.

They will be able to understand Natural vibrations, Damped Vibrations, Forced Vibrations and Resonance and applications of these vibrations. Characteristics of sound i.e. Loudness, Pitch and Quality of sound along with their graphs.

## I Unit Test Syllabus

## Chapter 2 Work, Power and Energy

## Term 2

## July

### Experiment 3.2 (C):

Objective of the experiment:

For a ray of light incident normally ( $i_1=0^\circ$ ) on one face of a prism, trace course of the ray. Measure angle of deviation  $\delta$ .

## August

## Chapter 8 Current Electricity

### Learning Outcome-

By this chapter students will be able to understand:

- (i) Concept of p.d. (V), current (I), resistance (R) and electric charge (Q). Ohm's law and its graphical representation (V vs I), resistance from slope, Ohmic and non-ohmic resistors. Factors affecting resistance, internal resistance of a cell, e.m.f, super conductors and combination of resistances.
- (ii) They will be able to understand:

Electrical energy, electrical power, measurement of electrical energy ( $W = QV = VIt = I^2Rt = \frac{V^2}{R}t$ ) and

electrical power ( $P = \frac{W}{t} = VI = I^2R = \frac{V^2}{R}$ ). SI and commercial unit of electrical energy, power rating of electrical appliances and household consumption of electric energy.

## Chapter 9 Household Circuits

### Learning Outcome-

After studying this chapter students will be able to understand about House wiring, power distribution, main circuit with Fuse / MCB, main switch and its advantages, two-way switch, staircase wiring, need for earthing and fuse, 3-pin plug and socket, safety precautions and colour coding of wires.

### Experiment 4.1-

Objective of the experiment:

To determine the specific heat of copper by using hot water and cold water.

### Experiment 4.2-

Objective of the experiment:

To determine specific heat of a metal (of known mass), using the method of mixtures.

**September****Chapter 10****Electromagnetism****Learning Outcome-**

After studying this chapter the students will be able to understand about magnetic effect of electric current, magnetic field (B) and field lines due to current in a straight wire right hand thumb rule. Electromagnets, their uses, Fleming's Left Hand Rule, electric motor, Electromagnetic induction, Fleming's Right Hand Rule, AC Generator, Transformer – Characteristics of primary and secondary coils etc.

**Chapter 11****Heat****Learning Outcome-**

By this chapter, students will be able to understand about the concept of heat, temperature, specific heat

capacity  $\left( c = \frac{Q}{m\Delta T} \right)$ .

Principle of calorimetry and natural phenomenon on specific heat, consequences of high specific heat of water.

They will be able to understand about phase change, heating curve for water, latent heat and phenomenon on latent heat of fusion.

**Experiment 4.3-**

Objective of the experiment:

To determine specific latent heat of ice.

**Experiment 5-**

Objective of the experiment:

To verify Ohm's law by using simple electric circuit.

**October****Chapter 12****Modern Physics****Learning Outcome-**

After studying this chapter students will be able to understand about concept of radioactivity as emission of  $\alpha$ ,  $\beta$  and  $\gamma$  radiations, their nature and properties, change within nucleus. Use of radioactivity as radio isotopes. Harmful effects, safety measures to be strictly reinforced.

They will be able to understand about Nuclear fission and fusion, basic introduction and equations.

**Term 3****November****Revision****Chapter 1**

Force

**Chapter 2**

Work, Power and Energy

**Chapter 3**

Machines

**Chapter 4**

Refraction of light at plane surfaces

**December****Revision****Chapter 5**

Refraction of light through Lenses

**Chapter 6**

Spectrum

**Chapter 7**

Sound

**January****Revision****Chapter 8**

Current Electricity

**Chapter 9**

Household Circuits

**Chapter 10**

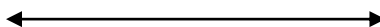
Electromagnetism

**February****Revision****Chapter 11**

Heat

**Chapter 12**

Modern Physics

**CHEMISTRY****TERM 1****March****Chapter 1****Periodic properties and Variations of Properties****Learning outcome-**

- Students will be able to explain periodic table is a way to short elements.
- Students will be able to explain elements are placed on the periodic table due to similar properties.

**Chapter 2****Chemical bonding**

**Learning outcome-**

- Students will be able to define the chemical bond and the cause of chemical bonding.
- Students will be able to explain different types of bonds formed by the atoms.
- Students will be able to differentiate between ionic and covalent bonds.
- Students will be able to draw the shapes and geometries of various molecules
- Students will be able to write the electronic configuration in molecular orbitals for simple diatomic molecules.

**Practical work:** Recognition and Identification of gases

**April**

**Chapter 2**

**Chemical bonding**

**Chapter 3**

**Acids, bases and salts**

**Learning outcome-**

- Students will be able to define concepts of indicators, strong acid, strong base, pH, reaction of metals with acids, bases, carbonates and reactions of acid with the base.

**Practical work:** Recognition and Identification of ions / radicals

**May**

**Chapter 4**

**Analytical chemistry**

**Learning outcome-**

- Students will be able to define action of ammonium hydroxide and sodium hydroxide on solution of salts.
- Students will be able to define colour of salts, precipitates and its solution.

**Chapter 5**

**Mole concept and Stoichiometry**

**Learning outcome-**

- Students will be able to define the amount of unit mole and the related quantity Avogadro's number.
- Students will be able to explain relation between mass, moles, and numbers of atoms or molecules, and perform calculations deriving these quantities from one another.

**Practical work:** Recognition and Identification of ions / radicals

**July**

**Chapter 6**

**Electrolysis**

**Learning outcome-**

- Students will be able to describe the process of electrolysis
- Students will be able to explain the importance of selecting suitable electrolytes and electrodes for electrolysis.
- Students will be able to explain the movement of ions and electrons during electrolysis.
- Students will be able to predict the products of electrolysis of binary ionic compounds in the molten state.

**Practical work:** Test for acidic solutions and alkaline solutions

**I Unit test syllabus-**

**Chapter 2: Chemical bonding**

**TERM 2**

**July**

**Chapter 7**

**Metallurgy**

**Learning outcome-**

- Students will be able to know several method of concentration of ores.
- Students will be able to explain extraction of aluminium by Hall Heroult's process. Description of the changes, occurring purpose of the substances used and the main reactions with their equations.
- Students will be able to explain alloys composition and uses.

**August**

**Chapter 7**

**Metallurgy**

**Chapter 8**

**Study of compounds: Hydrogen chloride**

**Learning outcome-**

- Students will be able to explain preparation and properties of hydrogen chloride.
- Students will be able to explain the solubility of hydrogen chloride by fountain experiment.
- Students will be able to write reactions with metals, their oxides, hydroxides, and carbonates to give their chlorides, decomposition of carbonates, hydrogen carbonates, sulphides and sulphites.

**Chapter 9 Study of compounds: Ammonia**

**Learning outcome-**

- Students will be able to explain Ammonia: its laboratory preparation and collection from ammonium chloride; ammonia from ammonium salts. Manufacture by Haber's Process; density and solubility of ammonia (fountain experiment); aqueous solution of ammonia; its reactions with hydrogen chloride and with hot copper (II) oxide and chlorine; the burning of ammonia in oxygen

**Practical work:** Test for acidic solutions and alkaline solutions

**September**

**Chapter 10 Study of compounds: Nitric acid**

**Learning outcome-**

- Students will be able to explain the reactions in terms of reactants, products, conditions and equations.
- Students will be able to explain Nitric Acid: one laboratory method of preparation of nitric acid from potassium nitrate or sodium nitrate. Large scale preparation. Nitric acid as an oxidizing agent.

**Chapter 11 Study of compounds: Sulphuric acid**

**Learning outcome-**

- Students will be able to explain Sulphuric Acid: its behavior as an acid when dilute, as an oxidizing agent when concentrated - oxidation of carbon and sulphur; as a dehydrating agent - dehydration of sugar and copper (II) sulphate crystals; its non-volatile nature.

**Chapter 12 Organic chemistry**

**Learning outcome-**

- Students will be able to explain Introduction to Organic compounds.
- Students will be able to explain Structure and Isomerism.
- Students will be able to explain Homologous series – characteristics with examples.
- Students will be able to explain Simple nomenclature, properties of alkane alkene and alkynes, particularly addition products with hydrogen and halogen namely Cl<sub>2</sub>, Br<sub>2</sub> and I<sub>2</sub> pertaining to alkenes and alkynes.

**Practical work:** Distinction between copper oxide and manganese dioxide by using concentrated hydrochloric acid.

**October**

**Chapter 13 Practical work**

**Learning outcome-**

- Students will be able to identify anions, cations and gas detection.
- Students will be able to define colour of salts, precipitates and its solution.

**TERM 3**

**November**

Chapter 1  
Chapter 2  
Chapter 3  
Chapter 4

**Revision**

Periodic Properties and Variations of Properties.  
Chemical bonding-  
Acids, bases and salts  
Analytical chemistry

**December**

Chapter 5  
Chapter 6  
Chapter 7  
Chapter 8

**Revision**

Mole concept and stoichiometry  
Electrolysis  
Metallurgy  
Study of compounds: Hydrogen chloride

**January**

Chapter 9  
Chapter 10  
Chapter 11

**Revision**

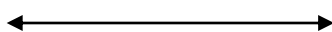
Study of compounds: Ammonia  
Study of compounds: Nitric Acid  
Study of compounds: Sulphuric Acid

**February**

Chapter 12  
Chapter 13

**Revision**

Organic Chemistry  
Practical Work



**BIOLOGY**

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**Term 1****March****Chapter 1 Cell cycle and cell division****Learning Outcome-**

After Studying this Chapter you should be able to understand the following topics-  
Cell cycle and cell division phases.

Cell cycle ( $G_1, S, G_2$ ) phases and Mitotic phases.

Different phases of Mitosis cell division in Plant and Animal cell with labelled diagrams.

Significances of Mitosis and Meiosis and differences among them.

Understanding of Meiosis as reduction division.

Crossing over and how it brings variation.

**Experiment 1-**

Observation of permanent slides of stages of Mitosis.

**April****Chapter 2 Structure of Chromosome****Learning Outcome-**

After studying this Chapter you should be able to understand the following topics-

Structure of Chromosome and DNA.

Terms related to chromosome and DNA.

**Chapter 3 Genetics****Learning Outcome-**

After studying this Chapter you should be able to understand the following topics-

Mendel's three laws of inheritance.

Monohybrid and dihybrid cross.

Different technical terms of this Chapter. The terms are – Allele, heterozygous, homozygous, dominant, recessive, phenotype and genotype, Mutation and variation.

Sex determination in humans.

X linked diseases – Haemophilia, Colourblindness

**Chapter 4 Absorption by Roots****Learning Outcome-**

After studying this Chapter you should be able to understand the following topics-

Terms related to plant Physiology – osmosis, Root pressure, turgidity, flaccidity, plasmolysis and deplasmolysis. Active and passive transport.

Experiments related to Absorption by Roots.

Characteristics of roots which make them suitable for absorbing water and structure of a full grown root hair.

Factors responsible for ascent of sap-cohesive, Adhesive forces and transpiration pull.

Experiment to show the conduction of water through xylem.

**Experiment 2-**

To demonstrate the phenomenon of osmosis through potato osmoscope.

**Experiment 3-**

To demonstrate the phenomenon of osmosis by "Thistle funnel method"

**Experiment 4-**

To demonstrate the phenomenon of diffusion.

**Experiment 5-**

To demonstrate the phenomenon of absorption of water.

**May****Chapter 5 Transpiration****Learning Outcome-**

After studying this Chapter you should be able to understand the following topics-

Transpiration – process and Significances.

Experiments related to transpiration.

(a) Loss in weight of a potted plant or a leafy shoot in a test tube as a result of transpiration.

(b) Use of Cobalt Chloride paper to demonstrate unequal transpiration in a dorsiventral leaf.

Ganong's potometer and its limitations.

Mechanism of stomatal transpiration on the basis of potassium ion exchange theory.

Adaptations in plants to reduce transpiration.

Concept regarding guttation and bleeding.

## **Chapter 6    Photosynthesis**

### **Learning Outcome-**

After studying this Chapter you should be able to understand the following topics-  
The process and significances of Photosynthesis.  
Internal structure of Chloroplast showing the site of light and dark reaction.  
Overall balanced chemical equation to represent photosynthesis.  
Different phases of light (photochemical) reaction.  
Dark reaction – Combination of H<sub>2</sub> released by NADP with CO<sub>2</sub> to form glucose.  
Adaptations in Plants for photosynthesis.  
Experiments related to factors of photosynthesis.  
Diagrammatic representation of carbon cycle.

## **Chapter 14    Population**

### **Learning Outcome-**

After studying this Chapter you should be able to understand the following topics-  
Population explosion in India, need for adopting control measures.  
Main reasons for the sharp rise in human population in India and in the world.  
Major problems faced due to population explosion.  
Methods of population control – tubectomy and vasectomy

### **Experiment 6-**

To demonstrate the phenomenon of transpiration by bell jar method.

### **Experiment 7-**

To compare the rate of Transpiration from the two surfaces of dorsiventral leaf of a plant by Cobalt chloride method.

### **Experiment 8-**

To demonstrate the rate of transpiration by Ganong's potometer.

## **July**

## **Chapter 7    Chemical coordination in Plants**

### **Learning Outcome-**

After studying this Chapter you should be able to understand the following topics-  
Plant hormones (growth regulators) - concepts.  
Types of growth regulators – Auxins, Gibberellins, cytokinins, Abscisic acid, ethylene in regulating the growth of plants and other functions.  
Concepts regarding movement in Plants.  
Tropic movements with reference to – Phototropism, Geotropism, Hydrotropism, Thigmotropism and Chemotropism with examples.

## **Chapter 15    Human Evolution**

### **Learning Outcome-**

After studying this Chapter you should be able to understand the following topics-  
A brief idea of human ancestors Australopithecus, Homohabilis, Homoerectus, Neanderthals, Cromagnon and Homosapiens (Modern Man)  
Characteristics of each kind of human ancestor.  
Lamarck's theory of inheritance of acquired character with reference to use and disuse of organs.  
Darwin's theory of natural Selection with reference to – Survival of the fittest-eg – adaptation of peppered moth.

### **Experiment 9-**

To demonstrate that light is necessary for Photosynthesis.

### **Experiment 10-**

To demonstrate that CO<sub>2</sub> is essential for the process of photosynthesis.

## **I Unit Test Syllabus**

### **Chapter 1    Cell Cycle and Cell Division**

## **Term 2**

## **July**

## **Chapter 8    Circulatory system**

### **Learning Outcome-**

After studying this Chapter you should be able to understand the following topics-  
Blood and its Composition, Functions of blood.  
Location and functions of R.B.Cs, W.B.Cs and platelets.  
How mammalian RBCs efficiency increases due to absence of Nucleus and Mitochondria.  
Process of Blood clotting.  
Structure and Working of heart along with major blood vessels entering & leaving the heart. Double circulation.

Concept of Cardiac Cycle (Systole and Diastole), pulse and Blood pressure.  
Internal Structure (C.S.) of Artery and vein with the help of diagram. Capillary and its roles.  
General outline plan of blood circulation in human body.  
Brief idea of lymphatic organs, spleen and tonsils.  
ABO blood group and Rh factor  
Significance of hepatic portal system.

## **August**

### **Chapter 8**

### **Circulatory System**

### **Chapter 9**

### **Human Excretory System**

#### **Learning Outcome-**

After studying this Chapter you should be able to understand the following topics-

Concept of Excretion, Excretory organs and their products.

External and internal structure of human kidney with Labelled diagram.

Urinary system along with the blood vessels entering and leaving the kidney. Functions of various parts of urinary system.

Structure and functions of nephron / kidney tubule.

Role of nephron in urine formation.

### **Chapter 10**

### **Nervous System**

#### **Learning Outcome-**

After studying this Chapter you should be able to understand the following topics-

Neuron (Nerve cell) and its parts.

External and internal structure of human brain. Role of various parts.

Distribution of grey and white matter in brain and spinal cord.

Pathway of Reflex arc with sketch.

Voluntary and involuntary actions – meaning and examples.

A brief idea of the peripheral and Autonomic nervous system and how they help in regulating body functions.

#### **Experiment 11-**

To demonstrate that chlorophyll is essential for photosynthesis.

#### **Experiment 12-**

To demonstrate the evolution of O<sub>2</sub> during Photosynthesis using Hydrilla plant.

#### **Experiment 13-**

To study the structure of urinary system of human..

#### **Experiment 14-**

To study the structure of human heart

## **September**

### **Chapter 11**

### **Sense organs**

#### **Learning Outcome-**

After studying this Chapter you should be able to understand the following topics-

External structure of human eye functions of various parts.

Internal structure (V.S.) of human eye and functions of various parts.

Power of accommodation of eye, Light and dark adaptations.

Defects of eye (common eye defect Myopia and hypermetropia) old age eye defect (Presbyopia, astigmatism and cataract) and its corrective measures.

How to draw the correct diagrams showing the type of lens used in each case.

External and internal structure of human Ear and functions of the various parts with diagrams.

Pathway showing the course of perception of Sound in human ear.

Role of ear in maintaining balance of the body.

### **Chapter 12**

### **Endocrine system**

#### **Learning Outcome-**

After studying this Chapter you should be able to understand the following topics-

Endocrine glands and Exocrine glands, differences among them.

Different Endocrine glands in human body-Pituitary, Thyroid, Adrenal and Pancreas.

Location of Endocrine glands in human body, various hormones secreted, functions of various hormones.

Effects of hyper and hyposecretion of hormones. Different diseases caused by it.

A brief idea of feedback mechanism with reference to TSH.

### **Chapter 13**

### **Reproductive system**

#### **Learning Outcome-**

After studying this Chapter you will be able to understand the following topics-

Male and female reproductive organs and secondary sexual characters.

Functions of various parts of Male and female reproductive organs.

Structure and functions of the various parts of the sperm and ovum.  
 Terms related to reproduction – fertilization, implantation, gestation and parturition.  
 Concept of placenta and its different parts.  
 Functions of foetal membrane and amniotic fluid.  
 Outline of menstrual Cycle.  
 Role of male and female sex hormones.  
 Identical and fraternal twins – meaning and differences.

**Experiments 15-**

To study the structure of human kidney.

**Experiments 16-**

To study the structure of human brain.

**Experiments 17-**

Identification of different types of blood cells under the microscope.

**Experiments 18-**

To study the structure of human ear.

**October**

**Chapter 16                                      Pollution**

**Learning Outcome-**

After studying this Chapter you should be able to understand the following topics-  
 Pollution and its types – Air, water, Soil, Radiation, Thermal and Noise.  
 Sources of different kinds of Pollution.  
 Biodegradable and non-biodegradable waste.  
 Measures to control different kinds of Pollution.  
 Concepts of green house effect, global warming, Acid rain, ozone layer depletion. (causes and effects)  
 Idea of 'Swachh Bharat Abhiyan'- A national campaign for clean India.

**Experiment 19-**

To study the structure of human eye.

**Experiment 20-**

Identification of selected endocrine glands – Pituitary, Thyroid, Adrenal and Pancreas with the help of Model or chart.

**Term 3**

**November**

<b>Chapter 1</b>	<b>Revision</b> Cell Cycle and Cell Division
<b>Chapter 2</b>	Structure of chromosome
<b>Chapter 3</b>	Genetics

<b>Chapter 4</b>	Absorption by Roots
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**December**

<b>Chapter 5</b>	<b>Revision</b> Transpiration
<b>Chapter 6</b>	Photosynthesis
<b>Chapter 7</b>	Chemical Coordination in Plants
<b>Chapter 8</b>	Circulatory System
<b>Chapter 9</b>	Human excretory system
<b>Chapter 10</b>	Nervous system

**January**

<b>Chapter 11</b>	<b>Revision</b> Sense Organs
<b>Chapter 12</b>	Endocrine system
<b>Chapter 13</b>	Reproductive system
<b>Chapter 14</b>	Population
<b>Chapter 15</b>	Human evolution

**February**

<b>Chapter 16</b>	<b>Revision</b> Pollution
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**MATHEMATICS****Term 1****March****Chapter 2****Banking****Learning Outcome-**

Recurring Deposit Accounts: computation of interest and maturity value using the formula:

$$I = P \cdot \frac{n(n+1)}{2} \cdot \frac{r}{100} \cdot \frac{1}{12}$$

$$MV = Pn + I$$

**Chapter 4****Linear Inequations in one variable****Learning Outcome-**

Linear Inequations in one unknown for  $x \in \mathbb{N}, \mathbb{W}, \mathbb{Z}, \mathbb{R}$ . Solving:

- Algebraically and writing the solution in set notation form.
- Representation of solution set on the number line.

**Chapter 5****Quadratic Equations****Learning Outcome-**

- Solving Quadratic Equations by:  
Factorisation  
Quadratic Formula.
- Nature of Roots  
Two distinct real roots if  $b^2 - 4ac > 0$   
Two equal real roots if  $b^2 - 4ac = 0$   
No real roots if  $b^2 - 4ac < 0$
- Solving simple quadratic equation problems.

**April****Chapter 5****Quadratic Equations (Continued...)****Chapter 6****Ratio and Proportion****Learning Outcome-**

- Proportion, Continued proportion, mean proportion
- Componendo, dividendo, alternendo, invertendo properties and their combinations.
- Direct simple applications on proportions only.

**Chapter 7****Factor Theorem – Factorization****Learning Outcome-**

- Factor Theorem.
- Remainder Theorem.
- Factorising a polynomial completely after obtaining one factor by factor theorem.

**Chapter 8****Matrices****Learning Outcome-**

- Order of a matrix. Row and column matrices.
- Compatibility for addition and multiplication
- Null and Identity matrices.
- Addition and subtraction of  $2 \times 2$  matrices.
- Multiplication of a  $2 \times 2$  matrix by  
a non – zero rational number  
a matrix

**Chapter 9****Arithmetic and Geometric Progression****Learning Outcome-**

- Finding their General term.
- Finding Sum of their first 'n' terms.
- Simple Applications.

**Chapter 11****Coordinate Geometry****Learning Outcome-**

- Section Formula
- Mid – Point Formula
- Coordinates of the centroid of a triangle
- Slope – intercept form  $y = mx + c$
- Two point form  $(y - y_1) = m(x - x_1)$

Geometric understanding of 'm' as slope / gradient /  $\tan \theta$  where  $\theta$  is the angle the line makes with the positive direction of the x axis.

Geometric understanding of 'c' as the y – intercept / the ordinate of the point where the line intersects the y axis / the point on the line where  $x = 0$ .

- Conditions for two lines to be parallel or perpendicular.
- Simple applications of all the above.

**May**

**Chapter 10 Reflection**

**Learning Outcome-**

- Reflection of a point in a line:  
 $x = 0, y = 0, x = a, y = a$ , the origin.
- Reflection of a point in the origin.
- Invariant points.

**Chapter 18 Arithmetic Mean, Median, Mode and Quartiles**

**Learning Outcome-**

- Mean for raw and arrayed data
- Mean for grouped data (both continuous and discontinuous)
- Mean by all three methods:

Direct Method: 
$$\frac{\sum fx}{\sum f}$$

Short – cut Method: 
$$A + \frac{\sum fd}{\sum f}$$
 where  $d = x - A$

Step – deviation Method: 
$$A + \frac{\sum ft}{\sum f} \times i$$
 where  $t = \frac{x - A}{i}$

- Median, mode for raw and arrayed data
- Median class and modal class for grouped data (both continuous and discontinuous)

**Chapter 19 Histogram and Ogive**

**Learning Outcome-**

Graphical Representation. Histograms and Less than Ogive

- Finding the mode from histogram, the upper quartile, lower Quartile and median etc. from the ogive.
- Calculation of inter Quartile range.

**Chapter 20 Probability**

**Learning Outcome-**

- Random experiments, Sample space, Events, definition of probability.
- Simple problems on single events.

**July**

**Chapter 16 Trigonometrical Identities and Tables**

**Learning Outcome-**

Using Identities to solve / prove simple algebraic trigonometric expressions

$$\sin^2 A + \cos^2 A = 1$$

$$\sec^2 A - \tan^2 A = 1$$

$$\operatorname{cosec}^2 A - \cot^2 A = 1 \quad (0^\circ \leq A \leq 90^\circ)$$

**Chapter 17 Heights and Distances**

**Learning Outcome-**

Solving 2-D problems involving angles of elevation and depression using trigonometric tables.

**I Unit Test Syllabus**

**Chapter 5 Quadratic Equations**

**Term 2**

**July**

**Chapter 12 Similar Triangles**

**Learning Outcome-**

- As a size transformation
- Three conditions: SSS, SAS, AA Simple applications
- Applications of Basic Proportionality Theorem.
- Areas of similar triangles are proportional to the squares of corresponding sides.

- Direct applications based on the above including applications to maps and models

**August**

**Chapter 12**

**Similar Triangles (Continued...)**

**Chapter 13**

**Loci**

**Learning Outcome-**

- Definition, meaning of Loci
- The locus of a point at a fixed distance from a fixed point is a circle with the fixed point as centre and fixed distance as radius.
- The locus of a point equidistant from two intersecting lines is the bisector of the angles between the lines.
- The locus of a point equidistant from two given points is the perpendicular bisector of the line joining the points.

**Chapter 14**

**Circle**

**Learning Outcome-**

- The angle that an arc of a circle subtends at the centre is double that which it subtends at any point on the remaining part of the circle.
- Angles in the same segment of a circle are equal.
- Angle in a semi-circle is a right angle.
- Opposite angles of a cyclic quadrilateral are supplementary.
- The exterior angle of a cyclic quadrilateral is equal to the opposite interior angle.
- The tangent at any point of a circle and the radius through the point are perpendicular to each other.
- If two circles touch, the point of contact lies on the straight line joining their centres.
- From any point outside a circle, two tangents can be drawn, and they are equal in length.
- If two chords intersect internally or externally then the product of the lengths of the segments are equal.
- If a chord and a tangent intersect externally, then the product of the lengths of segments of the chord is equal to the square of the length of the tangent from the point of contact to the point of intersection.
- If a line touches a circle and from the point of contact, a chord is drawn, the angles between the tangent and the chord are respectively equal to the angles in the corresponding alternate segments.

**September**

**Chapter 14**

**Circle (Continued...)**

**Chapter 15**

**Three Dimensional Solids**

**Learning Outcome-**

Three – dimensional solids – right circular cylinder, right circular cone and sphere.

Area (total surface and curved surface) and Volume.

Direct application problems including cost, Inner and Outer volume and melting and recasting method to find the volume or surface area of a new solid. Combination of solids included.

**Chapter 3**

**Shares and Dividends**

**Learning Outcome-**

- Face / Nominal Value, Market Value, Dividend, Rate of Dividend, Premium.
- Formulae

$$\text{Income} = \text{No. of shares} \times \text{rate of dividend} \times \text{FV.}$$

$$\text{Return} = (\text{Income} / \text{Investment}) \times 100.$$

**October**

**Chapter 1**

**Goods and Services Tax (GST)**

**Learning Outcome-**

Computation of tax including problems involving discounts, list-price, profit, loss, basic / cost price including inverse cases. Candidates are also expected to find price paid by the consumer after paying SGST and CGST – the different rates as in vogue on different types of items will be provided. Problems based on corresponding inverse cases are also included.

**Term 3**

**November**

**Chapter 2**

**Chapter 4**

**Chapter 5**

**Revision**

**Banking**

**Linear Inequations in One Variable**

**Quadratic Equations**

**December  
Chapter 6**

**Revision  
Ratio and Proportion**

**Chapter 7  
Chapter 8**

**Factor Theorem – Factorisation  
Matrices**

**January  
Chapter 11  
Chapter 20**

**Revision  
Coordinate Geometry  
Probability**

**February  
Chapter 15**

**Revision  
Three Dimensional Solids**



## **ECONOMICS**

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**For further details, students must go through I.C.S.E. 2025 Syllabus Booklet.**

### **Term 1**

**March**

**Chapter 1**

**The Productive Mechanism**

**Learning Outcome-**

After studying this chapter you should be able to understand:

Factors of production: Land, labour, capital and entrepreneur: their impact on the production structure in an economy.

**Chapter 2**

**Land**

**Learning Outcome-**

After studying this chapter you should be able to understand:

Factors of production: Land: its impact on the production structure in an economy.

(i) Land: meaning and characteristics, productivity of land – meaning only; factors affecting productivity of land.

**Chapter 3**

**Labour**

**Learning Outcome-**

After studying this chapter you should be able to understand:

Factors of production: Labour: its impact on the production structure in an economy.

(ii) Labour: meaning and characteristics; division of labour: meaning, type and advantages.

**Chapter 4**

**Efficiency of Labour**

**Learning Outcome-**

After studying this chapter you should be able to understand:

Efficiency of labour; meaning, reasons for low efficiency of Indian labour.

**April**

**Chapter 5**

**Capital and Capital Formation**

**Learning Outcome-**

After studying this chapter you should be able to understand:

Factors of production: capital, its impact on the production structure in an economy.

(iii) Capital: meaning and characteristics and types: physical and financial capital- meaning with examples; Capital Formation; meaning, Process of capital formation; Need for capital formation.

**Chapter 6**

**Entrepreneur**

**Learning Outcome-**

After studying this chapter you should be able to understand:

Factors of production: entrepreneur: their impact on the production structure in an economy.

(iv) Entrepreneur: meaning, functions and role of entrepreneur in economic development.

**Chapter 7**

**Theory of Demand**

**Learning Outcome-**

After studying this chapter you should be able to understand:

(i) Meaning and concept of Demand.

Law of demand : demand schedule and curve (both individual and market); movement and shift of the demand curve; determinants of demand; exceptions to the law of demand.

Meaning of demand; the concept of Demand, types of demand to be explained (with examples). A basic understanding of the law of demand in which demand schedules to be used to explain the demand curves. The individual demand curve must be distinguished from market demand curve. Concept of movement and shift of Demand curves are to be explained. Determinants of demand are to be specified. Exceptions to the law of demand are to be discussed.

**May**

**Chapter 8 Elasticity of Demand**

**Learning Outcome-**

After studying this chapter you should be able to understand:

(ii) Elasticity of demand : meaning, types, percentage method of measuring elasticity of demand , factors affecting elasticity of demand. The concept of price elasticity of demand is to be explained with percentage method. Factors affecting the elasticity of demand are to be specified. (Numerical problems are not for testing).

**Chapter 9 Theory of Supply**

**Learning Outcome-**

After studying this chapter you should be able to understand:

(i) Meaning and concept of Supply.

Law of supply: supply schedule and curve (both individual and market); movement and shift of the supply curve; determinants of supply.

Meaning of supply; the concept of supply to be explained (with examples). A basic understanding of the law of supply in which supply schedules to be used to explain the supply curves. The individual supply curve must be distinguished from market supply curve. Concept of movement and shift of Supply curves are to be explained. Determinants of supply are to be specified.

**Chapter 10 Elasticity of Supply**

**Learning Outcome-**

After studying this chapter you should be able to understand:

(ii) Elasticity of supply: meaning, types, percentage method of measuring elasticity of supply, factors affecting elasticity of supply. The concept of price elasticity of supply is to be explained with percentage method. Factors affecting the elasticity of supply are to be specified. (Numerical problems are not for testing).

**July**

**Chapter 11 Market**

**Learning Outcome-**

After studying this chapter you should be able to understand:

Meaning of Market; Types of Markets: Perfect competition, Monopoly, Monopolistic Competition, Oligopoly - meaning with examples; a brief understanding of the features of the different types of markets along with differences.

**Chapter 12 Money**

**Learning Outcome-**

After studying this chapter you should be able to understand:

(i) Money: A basic understanding of the inconvenience of the barter system and the evolution of money; legal definition of money; functions of money: medium of exchange, measure of value; standard of deferred payment, store of value.

**I Unit Test Syllabus**

**Chapter 7 Theory of Demand**

**Term 2**

**July**

**Chapter 13 Banking: Commercial Banks**

**Learning Outcome-**

After studying this chapter you should be able to understand:

(ii) Commercial banks: Meaning and functions. Meaning. Functions of Commercial banks: Accepting deposits (a brief understanding of the types of deposits).

## **August**

### **Chapter 13 Banking: Commercial Banks**

#### **Learning Outcome-**

After studying this chapter you should be able to understand:

(ii) Advancing loans (a brief understanding of the types of loans, methods of advancing loans); Credit creation (a brief understanding of credit creation on the basis of Primary and derivative deposits).

### **Chapter 14 Central Banking**

#### **Learning Outcome-**

After studying this chapter you should be able to understand:

(iii) Central Bank: Meaning. Functions of Central Bank: monopoly of Note issue; Bankers Bank; Banker, Agent and Advisor to the Government; Custodian of Foreign Exchange; Lender of the Last Resort: A brief understanding of the functions.

### **Chapter 15 Monetary Policy of the Central Bank**

#### **Learning Outcome-**

After studying this chapter you should be able to understand:

(iv) Monetary Policy of the Central Bank

(a) Qualitative Credit control measures: margin requirements; credit rationing; moral suasion.

(b) Quantitative Credit control measures: Bank Rate, Open Market Operations, Cash Reserve Ratio (CRR), Statutory Liquidity Ratio.

A brief understanding of the above.

(v) Demonetisation: A brief understanding.

### **Chapter 16 Scope of Public Finance**

#### **Learning Outcome-**

After studying this chapter you should be able to understand:

(vi) Public Finance (a) Meaning of Public Finance.

### **Chapter 17 Public Revenue**

#### **Learning Outcome-**

After studying this chapter you should be able to understand:

(b) Sources of Public Revenue: Tax Revenue.

Direct Tax (meaning, merits and demerits); Indirect Tax (meaning, merits and demerits); difference between direct and indirect taxes.

Goods and Services Tax (GST)-Meaning and objectives;

Progressive, proportional, regressive and degressive taxes - meaning only.

Non-tax revenue. Meaning with examples.

## **September**

### **Chapter 18 Public Expenditure**

#### **Learning Outcome-**

After studying this chapter you should be able to understand:

(c) Public Expenditure. Meaning of public expenditure, Revenue and Capital expenditure with examples; reason for growth of public expenditure in India.

### **Chapter 19 Public Debt**

#### **Learning Outcome-**

After studying this chapter you should be able to understand:

(d) Public Debt. Meaning and types of Public debts.

### **Chapter 20 Inflation**

#### **Learning Outcome-**

After studying this chapter you should be able to understand:

(i) Inflation, Wholesale Price Index (WPI), Consumer Price Index (CPI), Food Basket.

Meaning of the above.

(ii) Stages of Inflation: Creeping, Walking, Running and Hyper – meaning only.

(iii) Types of Inflation: Cost push inflation and demand- pull inflation  
 Meaning, causes and differences only (diagram not required). Positive and negative effects of inflation on production. Positive and negative effects of inflation on distribution with reference to fixed income group and business income group only.

**October**

**Chapter 21 Consumer Awareness**

**Learning Outcome-**

After studying this chapter you should be able to understand:

(i) Consumer Exploitation and Consumer awareness.

Meaning of consumer exploitation; a brief understanding of the forms of consumer exploitation; reasons for exploitation of consumers in India - a brief understanding. Meaning of Consumer Awareness.

(ii) Consumer Rights & Duties.

A brief understanding of the above. COPRA-meaning and features; RTI - meaning and significance.

(iii) Food adulteration. Meaning and harmful effects.

(iv) Technical and Administrative measures for Consumer Protection:

A brief understanding of: Public Distribution System (PDS); Bureau of Indian Standards (BIS); AGMARK, ECOMARK.

**Note:** The course for Half Yearly & Pre-Boards will include all the prescribed topics from March to October.

**Term 3**

**November**

**Revision**

Chapter 1	The Productive Mechanism
Chapter 2	Land
Chapter 3	Labour
Chapter 4	Efficiency of Labour
Chapter 5	Capital and Capital Formation
Chapter 6	Entrepreneur
Chapter 7	Theory of Demand
Chapter 8	Elasticity of Demand

**December**

**Revision**

Chapter 9	Theory of Supply
Chapter 10	Elasticity of Supply
Chapter 11	Market
Chapter 12	Money
Chapter 13	Banking: Commercial Banks
Chapter 14	Central Banking
Chapter 15	Monetary Policy of the Central Bank

**January**

**Revision**

Chapter 16	Scope of Public Finance
Chapter 17	Public Revenue
Chapter 18	Public Expenditure

Chapter 19

Public Debt

Chapter 20

Inflation

**February**

**Revision**

Chapter 21	Consumer Awareness
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## COMMERCIAL STUDIES

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For further details, students must go through I.C.S.E. 2025 Syllabus Booklet.

### Term 1

#### March

##### **Chapter 1 Stakeholders in Commercial Organisations**

###### **Learning Outcome-**

After studying this chapter you should be able to understand:

Meaning of stakeholder, types: Internal (shareholder, employee and employer – meaning of each) and External stakeholders (supplier, creditor, government and society – meaning of each); differences between internal and external stakeholders.

(b) Expectations of employers (owners and managers), employees, creditors and suppliers, government and society from a commercial organization.

#### April

##### **Chapter 2 Marketing and Sales**

###### **Learning Outcome-**

After studying this chapter you should be able to understand:

(a) Marketing: Meaning and objectives of marketing. Difference between marketing and sales.

##### **Chapter 3 Product and Service**

###### **Learning Outcome-**

After studying this chapter you should be able to understand:

(b) Product and service: Meaning and difference between a product and a service (with examples).

##### **Chapter 4 Pricing**

###### **Learning Outcome-**

After studying this chapter you should be able to understand:

(c) Pricing: Meaning and objectives.

##### **Chapter 5 Advertising**

###### **Learning Outcome-**

After studying this chapter you should be able to understand:

(d) Advertising: Advertising: meaning, importance of advertising; merits and demerits, difference between advertising and publicity. Advertising Agency; meaning and functions only, Social advertising media - Concept and examples only.

##### **Chapter 6 Sales Promotion**

###### **Learning Outcome-**

After studying this chapter you should be able to understand:

(d) Sales promotion: Sales promotion – meaning and techniques; difference between advertising and sales promotion.

##### **Chapter 7 Consumer Protection**

###### **Learning Outcome-**

After studying this chapter you should be able to understand:

(e) Consumer Protection: Consumer Protection Act (2019); features of the Act, rights of a consumer, Consumer exploitation; meaning and types, Importance of consumer awareness.

#### May

##### **Chapter 8 E-Commerce**

###### **Learning Outcome-**

After studying this chapter you should be able to understand:

(f) E-commerce: Introduction and benefits over traditional methods of transactions, E-tailing, E-advertising,

E-marketing and E-security (meaning only). ERP and its modules (brief concept).

##### **Chapter 9 Capital and Revenue**

###### **Learning Outcome-**

After studying this chapter you should be able to understand:

(a) Capital and Revenue: Capital and revenue receipts, capital and revenue expenditure (meaning, difference and examples), deferred revenue expenditure (meaning and examples).



**Chapter 10 Final Accounts of a Sole Trader**

**Learning Outcome-**

After studying this chapter you should be able to understand:

(b) Final accounts of Sole Proprietorship: Meaning and preparation of Trading account, Profit and Loss account and Balance sheet based on the given trial balance with the adjustment of closing stock only. (Preparation of manufacturing account, profit and loss on sale of assets, intangible and fictitious assets, prepaid and accrued expenses and incomes are excluded.)

**July**

**Chapter 11 Fundamental Concept of Costs**

**Learning Outcome-**

After studying this chapter you should be able to understand:

(c) Costs: Fundamental concept of Cost; Classification of costs- based on behaviour (fixed, variable, semi-variable), nature (direct, indirect).

**I Unit Test Syllabus**

**Chapter 1 Stakeholders in Commercial Organisations**

**Term 2**

**July**

**Chapter 12 Budgeting**

**Learning Outcome-**

After studying this chapter you should be able to understand:

(d) Budgeting: Meaning and utility of budgeting.

**August**

**Chapter 12 Budgeting**

**Learning Outcome-**

After studying this chapter you should be able to understand:

(d) Budgeting: comparison between budgeting and forecasting; types of budgets: sales, production, cash, purchase and master – meaning only.

**Chapter 13 Sources of Finance**

**Learning Outcome-**

After studying this chapter you should be able to understand:

(e) Sources of Finance (i) Capital Market: Meaning and functions of Capital Market.

(ii) Sources of raising capital. Long term: Meaning of shares (Types; preference and equity) and debentures, differences between the two. Short term: loans from commercial banks (cash credit, overdraft, discounting of bills – meaning only).

**Chapter 14 Recruitment and Selection**

**Learning Outcome-**

After studying this chapter you should be able to understand:

(a) Recruitment, selection.

(i) Recruitment – meaning; sources: internal and external; advantages and disadvantages of internal and external sources.

(ii) Selection - meaning and steps, types of selection tests.

**Chapter 15 Training of Employees**

**Learning Outcome-**

After studying this chapter you should be able to understand:

(a) Training (iii) Training – meaning, objectives and methods of training (on the job and off the job).

**September**

**Chapter 16 Industrial Relations and Trade Unions**

**Learning Outcome-**

After studying this chapter you should be able to understand:

(b) Industrial relations and trade unions. Industrial relations: Meaning and objectives; Trade Unions: Meaning and Functions.

**Chapter 17 Social Security**

**Learning Outcome-**

After studying this chapter you should be able to understand:

(c) Social Security: Concept of Social Security; brief reference to Provident Fund, Gratuity, Pension, Group Insurance and Maternity Benefits. New Pension Scheme. (Acts are not required).

**Chapter 18 Logistics: An Overview**

**Learning Outcome-**

After studying this chapter you should be able to understand:

Meaning of logistics and its classification.

**Chapter 19 Transportation**

**Learning Outcome-**

After studying this chapter you should be able to understand:

(a) Transportation: Modes of transportation: land (road and rail), air and water; merits and demerits of each.

**Chapter 20 Warehousing**

**Learning Outcome-**

After studying this chapter you should be able to understand:

(b) Warehousing: Meaning, importance and types (public, private and bonded – meaning only).

**Chapter 21 Insurance**

**Learning Outcome-**

After studying this chapter you should be able to understand:

(c) Insurance: Meaning; Types of insurance: Life insurance, General insurance; (Fire, Health and Marine - meaning only) principles of insurance.

**Chapter 22 Banking**

**Learning Outcome-**

After studying this chapter you should be able to understand:

(i) Central Bank: Central Bank: Meaning and functions, Difference between the Central Bank and Commercial Banks.

(ii) Internet Banking: Modes of transferring money / Net Banking: NEFT, RTGS, IMPS, mobile wallets: meaning only.

**Chapter 23 Banking Transactions**

**Learning Outcome-**

After studying this chapter you should be able to understand:

ATM, Credit & Debit cards- meaning & difference, caution to be taken while using these cards.

**October**

**Chapter 24 Financial Fraudulent Practices**

**Learning Outcome-**

After studying this chapter you should be able to understand:

(iii) Financial fraudulent practices: Credit card fraud, false accounting, insurance fraud, intellectual property fraud, internet and cyber fraud. A brief understanding of these types of financial fraud.

**Chapter 25 Government Initiatives in Environment Protection**

**Learning Outcome-**

After studying this chapter you should be able to understand:

Government initiatives in Environment Protection.

(i) Environment (Protection) Act, 1986 - Features of the act.

(ii) Central Pollution Control Board - Functions only.

**Note:** The course for Half Yearly & Pre-Boards will include all the prescribed topics from March to October.

**Term 3**

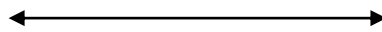
**November**

Chapter 1

**Revision**

Stakeholders in Commercial Organisations

Chapter 2	Marketing and Sales
Chapter 3	Product and Service
Chapter 4	Pricing
Chapter 5	Advertising
Chapter 6	Sales Promotion
<b>December</b>	<b>Revision</b>
Chapter 7	Consumer Protection
Chapter 8	E-Commerce
Chapter 9	Capital and Revenue
Chapter 10	Final Accounts of a Sole Trader (Meaning & Preparation of Trading Account, Profit & Loss Account & Balance Sheet, Numerical)
Chapter 11	Fundamental Concept of Costs
Chapter 12	Budgeting
Chapter 13	Sources of Finance
<b>January</b>	<b>Revision</b>
Chapter 14	Recruitment and Selection
Chapter 15	Training of Employees
Chapter 16	Industrial Relations and Trade Unions
Chapter 17	Social Security
Chapter 18	Logistics: An Overview
Chapter 19	Transportation
Chapter 20	Warehousing
Chapter 21	Insurance
Chapter 22	Banking
Chapter 23	Banking Transactions
Chapter 24	Financial Fraudulent Practices
<b>February</b>	<b>Revision</b>
Chapter 25	Government Initiatives in Environment Protection



## FINANCIAL LITERACY

### **Term 1**

**March**

**Topic 1**

**Electronic Commerce (e-commerce)**

**Learning Outcome-**

After studying this chapter you should be able to understand:

Electronic Commerce (e-commerce): Meaning, uses; safety precautions for online transactions, advisory regarding fraudulent use of ATM/debit/credit cards; major financial regulatory bodies in India (RBI, SEBI, IRDAI, PFRDA)

**April**

**Topic 2**

**Economic Depression**

**Learning Outcome-**

After studying this chapter you should be able to understand:

Economic Depression: Recession, Gross Domestic Product (GDP), economic cycle

**May**

**Topic 3**

**Shares**

**Learning Outcome-**

After studying this chapter you should be able to understand:

Shares: Understanding basic terminologies such as shares, face value, market value, premium, dividend, risks involved

**July**

**Topic 4**

**Insurance**

**Learning Outcome-**

After studying this chapter you should be able to understand:

Insurance: Meaning, benefits (individual, society, economy); difference between banking and insurance

**Term 2**

**July**

**Topic 5 Stock Exchange and Economy**

**Learning Outcome-**

After studying this chapter you should be able to understand:  
 Stock Exchange and Economy: Meaning, role, SEBI, SEBI grievance redressal

**August**

**Topic 5 Stock Exchange and Economy**

**Learning Outcome-**

After studying this chapter you should be able to understand:  
 Stock Exchange and Economy: Meaning, role, SEBI, SEBI grievance redressal

**Topic 6 Trading and Demat Account**

**Learning Outcome-**

After studying this chapter you should be able to understand:  
 Trading and Demat Account: Meaning, Initial Public Offering (IPO)

**September**

**Topic 7 Financial Inclusion Schemes**

**Learning Outcome-**

After studying this chapter you should be able to understand:  
 Financial Inclusion Schemes: Pradhan Mantri Jan Dhan Yojana, Jeevan Jyoti Bima Yojana, Suraksha Bima Yojana, Sukanya Samridhi Yojana; retirement planning and pension, National Pension Scheme (NPS), Employees Provident Fund Organisation (EPFO), Atal Pension Yojna (APY)

**October**

**Topic 8 Goods and Services Tax (GST)**

**Learning Outcome-**

After studying this chapter you should be able to understand:  
 Goods and Services Tax (GST): Meaning, rates, benefits of GST

**Term 3**

**November**

**Revision**

Topic 1 Electronic Commerce (e-commerce)  
 Topic 2 Economic Depression

**December**

**Revision**

Topic 3 Shares  
 Topic 4 Insurance

**January**

**Revision**

Topic 5 Stock Exchange and Economy  
 Topic 6 Trading and Demat Account  
 Topic 7 Financial Inclusion Schemes

**February**

**Revision**

Topic 8 Goods and Services Tax (GST)



**COMPUTER APPLICATIONS**

**Term 1**

**March**

**Chapter 1 Revision Tour I**

**Learning Outcome-**

Students will revise class IX topics such as object oriented language ,concept of objects, concept of object oriented programming and characteristics of OOP, values and data types and operators in java.

**Chapter 2 Revision Tour II**

**Learning Outcome-**

Students will revise class IX topics such as input in java, Mathematical library methods, conditional construct in java iterative construct in java and nested loop.

**April**

**Chapter 3 Class as the basis of All Computation**

**Learning Outcome-**

Students will learn object theory of java ,objects behaviour and characteristics, member methods of a class and its uses ,class as a object factory, concept of class, different data types and its uses in java program and object as Instance of a class.

**Chapter 4 User-defined Methods****Learning Outcome-**

Students will learn to use methods/functions for specific applications, different form of methods ,method definition, method calling ,method overloading, declaration of methods, ways to define a method ,ways to invoke method i.e call by value[with programs] and call by reference[only definition with example], students will learn to create objects and use object to invoke methods, actual and formal parameters/arguments, static ,instance, local and class variable and learn about returnable and non-returnable functions in java.

**May****Chapter 5 Constructor****Learning Outcome-**

Students will learn definition of constructor, characteristics, and types of constructor ,use of constructors, constructor overloading and difference between constructor and methods.

**Chapter 6 Library Classes****Learning Outcome-**

Students will learn about wrapper classes and its uses in java, uses of different wrapper class function to convert string to numeric and viceversa such as integer.to parse(),valueOf(),toString() etc.Students will learn about Autoboxing and unboxing.,primitive and composite data types etc.

**July****Chapter 6 Library Classes****Learning Outcome-**

Students will learn about wrapper classes and its uses in java, uses of different wrapper class function to convert string to numeric and viceversa such as integer.to parse(),valueOf(),toString() etc.Students will learn about Autoboxing and unboxing.,primitive and composite data types etc.

**I Unit Test Syllabus:****Chapter 2 Revision Tour II****Term 2****July****Chapter 7 Encapsulation****Learning Outcome-**

Students will learn about access specifiers and visibility of variables and methods in different scope or block, students will learn different types of access specifiers such as public ,private and protected, types of variables.

**August****Chapter 7 Encapsulation****Learning Outcome-**

Students will learn about access specifiers and visibility of variables and methods in different scope or block, students will learn different types of access specifiers such as public ,private and protected, types of variables.

**Chapter 8 Array****Learning Outcome-**

Students will learn definition of array, types of array declaration of array static and dynamic declaration ,accessing data/elements of an array, initialisation of an array ,index position of an array, length of an array, uses of 1-D and 2-D array, sorting-bubble sort and selection sort, searching-linear and binary search, find sum of diagonals, sum of rows and columns, display elements in matrix format etc in 2-D array.

**September****Chapter 8 Array****Learning Outcome-**

Students will learn definition of an array, types of array declaration of array static and dynamic declaration ,accessing data/elements of an array, initialisation of an array ,index position of an array, length of an array, uses of 1-D and 2-D array, sorting-bubble sort and selection sort, searching-linear and binary search, find sum of diagonals, sum of rows and columns, display elements in matrix format etc in 2-D array.

**Chapter 9 String Manipulation**

**Learning Outcome-**

Students will learn String class, different methods of String class, implementation of String array and programming output based on the methods of String class

**October**

**Chapter 9 String Manipulation**

**Learning Outcome-**

Students will learn String class, different methods of String class, implementation of String array and programming output based on the methods of String class

**Term 3**

**November**

**Chapter 1**

**Revision**

**Revision Tour I**

**Chapter 2**

**Chapter 3**

**Chapter 4**

**Revision Tour II**

**Class as the basis of All Computation**

**User-defined Methods**

**December**

**Chapter 5**

**Chapter 6**

**Chapter 7**

**Revision**

**Constructor**

**Library Classes**

**Encapsulation**

**January**

**Chapter 8**

**Revision**

**Array**

**February**

**Chapter 9**

**Revision**

**String Manipulation**



**PHYSICAL EDUCATION**

**Term 1**

**March**

**Theory**

**Chapter 1**

**Human Growth and Development**

**Learning Outcome-**

Students will get enabled to understand the meaning and differences of growth and development as well as factors affecting them.

**Practical – Cricket**

**Learning Outcome-**

Students will get enabled to understand the rules, measurements of equipments and the field of play.

**April**

**Theory**

**Chapter 2**

**Physical Education**

**Learning Outcome-**

Students will get enabled to understand the meaning and objectives of physical education.

**May**

**Theory**

**Chapter 3**

**Body Types**

**Learning Outcome-**

Students will get enabled to understand about different types of bodies.

**Practical – Football**

**Learning Outcome-**

Students will get enabled to understand the rules, measurements of equipments and the field of play.

**July**

**Theory**

**Chapter 4**

**Physical fitness**

**Learning Outcome-**

Students will get enabled to understand the meaning, importance, components and factors affecting physical fitness.

**Practical – Hockey**

**Learning Outcome-**

Students will get enabled to understand the rules, measurements of equipments and the field of play.

**I Unit Test Syllabus**

**Chapter 1** Human Growth and Development

**Term 2**

**July**

**Theory**

**Chapter 5** Sports Training

**Learning Outcome-**

Students will get enabled to understand particular types of training and its principles.

**August**

**Theory**

**Chapter 5** Sports Training

**Learning Outcome-**

Students will get enabled to understand particular types of training and its principles.

**Practical –Basketball**

**Learning Outcome-**

Students will get enabled to understand the rules, measurements of equipments and the field of play.

**Chapter 6** Safety in Sports

**Learning Outcome-**

Students will get enabled to understand the threats of the sports and measures of safety from them.

**Practical – Volleyball**

**Learning Outcome-**

Students will get enabled to understand the rules, measurements of equipments and the field of play.

**September**

**Theory**

**Chapter 7** Health Education

**Learning Outcome-**

Students will get enabled to understand the meaning of health, its importance and the nutrients required to maintain one's health.

**Practical – Badminton**

**Learning Outcome-**

Students will get enabled to understand the rules, measurements of equipments and the field of play.

**October**

**Theory**

**Chapter 8** Careers in Physical Education

**Learning Outcome**

Students will get enabled to understand about different types of career options in the field of Physical Education.

**Term 3**

**November**

**Chapter 1** **Revision**  
Growth and Development

**Chapter 2** Physical Education

**Game 1 –** Cricket

**December**

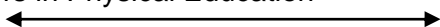
**Chapter 3** **Revision**  
Body Types

**Chapter 4** Physical Fitness

**January**

**Chapter 5** **Revision**  
Sports Training

<b>Chapter 6</b>	Safety in Sports
<b>Game 2 –</b>	Football
<b>February Chapter 7</b>	<b>Revision</b> Health Education
<b>Chapter 8</b>	Careers in Physical Education



## S.U.P.W

### Term 1

#### March

#### **Chapter 7    Gardening**

#### **Learning Outcome-**

After studying this chapter you should be able to understand:

Gardening: meaning, maintenance of fertility of soil, propagation of plants, preparing of seed bed, planting seeds and transplanting. Reproduction by vegetative methods, lawn making, seasons for planting.

#### April

#### **Chapter 17    Meal Planning**

#### **Learning Outcome-**

After studying this chapter you should be able to understand:

Meal Planning: meaning, factors affecting meal planning, planning meals for the family.

#### May

#### **Chapter 18    Tailoring and Embroidery**

#### **Learning Outcome-**

After studying this chapter you should be able to understand:

Tools used in stitching and embroidery work.

**Community Service 1:                          Record book page number 54 to 62.**

#### July

#### **Chapter 18    Tailoring and Embroidery**

#### **Learning Outcome-**

After studying this chapter you should be able to understand:

Tools used in stitching and embroidery work.

### Term 2

#### July

#### **Chapter 3    Interior Decoration**

#### **Learning Outcome-**

After studying this chapter you should be able to understand:

Preparation of fancy articles used for decorating home.

#### August

#### **Chapter 3    Interior Decoration**

#### **Learning Outcome-**

After studying this chapter you should be able to understand:

Preparation of fancy articles used for decorating home.

**Craft/Skill 1:    Record book page number 83 to 89.**

#### September

#### **Chapter 4    Tie and Dye**

#### **Learning Outcome-**

After studying this chapter you should be able to understand:

Tie and Dye: meaning, fabrics for tie and dye, technique/process of dye.

**Community Service 2:                          Record book page number 64 to 72.**

#### October

#### **Chapter 4    Tie and Dye**

#### **Learning Outcome-**

After studying this chapter you should be able to understand:

Tie and Dye: meaning, fabrics for tie and dye, technique/process of dye.



**Term 3**

**November  
Chapter 7**

**Revision  
Gardening**

**Craft/Skill 2:**

**Record book page number 91 to 97.**

**December  
Chapter 17**

**Revision  
Meal Planning**

**Chapter 18**

**Tailoring and Embroidery**

**January  
Chapter 3**

**Revision  
Interior Decoration**

**February  
Chapter 4**

**Revision  
Tie and Dye**

