



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2023-2024



Subject: English

Term: Pre-Test

Name of the Subject Co-ordinator: Melroy Anthony

Name of the Book: *Mindscales*

No. of Working Days: 31

No. of Periods Available: 31

Class: 12

Sections: A, B

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
APRIL	10	1. Prose Chapter 1 (Pg Nos 43-46 from <i>Mindscales</i> ) 2. Play (Pg Nos 69-75 from <i>Mindscales</i> ) 3. Textual Grammar	1. The Eyes Have It (Pg Nos 43-46 from <i>Mindscales</i> ) 2. The Proposal (Pg Nos 69-75 from <i>Mindscales</i> ) 3. Active and Passive Voice	1. a) Explanation of the text b) Multiple Choice Questions, Short Answer Questions and Long Answer Questions 2. a) Explanation of the text b) Multiple Choice Questions and Long Answer Questions 3. Rules of Active and Passive Voice discussed and exercises solved in class	1. Discussion questions to encourage students engage with the story and play so that they think critically about the themes, characters and plot of the lessons 2. Role play to enact and bring to life critical scenes in the play 3. Role play on Voice Change 4. Chart explaining the important rules regarding Active and Passive Voice
MAY	12	1. Poetry Chapter 1 (Pg Nos 61-62 from <i>Mindscales</i> ) 2. Prose Chapter 2 (Pg Nos 47-53 from <i>Mindscales</i> ) 3. Writing Skills 4. Textual Grammar 5. Project Work	1. On Killing A Tree (Pg Nos 61-62 from <i>Mindscales</i> ) 2. Strong Roots (Pg Nos 47-53 from <i>Mindscales</i> ) 3. Report Writing 4. Direct and Indirect Speech 5. Project Topics	1. a) Explanation of the text b) Multiple Choice Questions, Short Answer Questions and Long Answer Questions 2. a) Explanation of the text b) Multiple Choice Questions, Short Answer Questions and Long Answer Questions 3. Format of Report Writing discussed and exercise done in class 4. Rules of Direct and Indirect Speech discussed and exercises solved in class 5. Project Topics discussed in class	1. Discussion questions to encourage students engage with the poem and story to enable them to think critically about the themes, characters and plot of these lessons 2. Use of school magazine for sample Reports of school events 3. Role play on Mode of Narration 4. Chart explaining the important rules regarding Direct and Indirect Speech
JUNE	9	1. Poetry Chapter 2 (Pg No 63 from <i>Mindscales</i> ) 2. Textual Grammar	1. Asleep In The Valley (Pg No 63 from <i>Mindscales</i> ) 2. Simple, Compound and Complex Sentences	1. a) Explanation of the text b) Multiple Choice Questions, Short Answer Questions and Long Answer Questions 2. Rules of Simple, Compound and Complex Sentences discussed and exercises solved in class	1. Discussion questions to encourage students engage with the poem taught and allow them to think critically about the theme and title of the poem 2. Chart explaining the important rules regarding Simple, Compound and Complex Sentences

Teachers are requested to prepare a LESSON PLAN for each Topic to be taught. The Lesson Plans are to be submitted along with the monthly planner.

Signature of the Co-Teachers: 1. *Melroy Anthony* 2. *Angela V. Francis*  
 3. *Soumeshree Hazra* 4. *Kalyani Banerjee*

Submitted on: 30.06.2023

Academic Co-ordinator: *Soumak Chatterjee*

PRINCIPAL:

*JAM*  
*10/07/23*

VICE PRINCIPAL:

*Rohan Dey*



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2023-2024



Subject: English

Term: Pre-Test, Selection

Name of the Subject Co-ordinator: Melroy Anthony

Name of the Book: *Mindscapes*

No. of Working Days: 59

No. of Periods Available: 47 (Pre-Test - 43, Selection - 4)

Class: 12

Sections: A, B

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
JULY	20	1. Play (Pg Nos 76-82 from <i>Mindscapes</i> ) contd... 2. Textual Grammar 3. Writing Skills 4. Unseen Passage	1. The Proposal (Pg Nos 76-82 from <i>Mindscapes</i> ) contd... 2. Joining and Splitting of Sentences 3. Formal Letter Writing 4. Comprehension	1. a) Explanation of the text b) Multiple Choice Questions and Long Answer Questions 2. Rules regarding Joining and Splitting of Sentences discussed and exercises solved in class 3. Format of various Formal Letters explained and exercise done in class 4. Rules of Unseen Comprehension discussed and comprehension passage solved in class	1. Discussion questions to encourage students engage with the play and think critically about the themes, characters and plot of the play 2. Role play to enact and bring to life critical scenes in the play 3. Chart explaining the important rules regarding Joining and Splitting of Sentences 4. Reference to editorial column of the newspaper for Editorial Letter
AUGUST	21	1. Prose Chapter 3 (Pg Nos 50-53 from <i>Mindscapes</i> ) 2. Poetry Chapter 3 (Pg No 64 from <i>Mindscapes</i> ) 3. Play (Pg Nos 83-87 from <i>Mindscapes</i> ) contd... 4. Textual Grammar 5. Writing Skills	1. Thank You Ma'am (Pg Nos 50-53 from <i>Mindscapes</i> ) 2. Shall I Compare Thee (Pg No 64 from <i>Mindscapes</i> ) 3. The Proposal (Pg Nos 83-87 from <i>Mindscapes</i> ) contd... 4. Transformation of Sentences 5. Summary Writing	1. a) Explanation of the text b) Multiple Choice Questions, Short Answer Questions and Long Answer Questions 2. a) Explanation of the text b) Multiple Choice Questions, Short Answer Questions and Long Answer Questions 3. a) Explanation of the text b) Multiple Choice Questions and Long Answer Questions 4. Rules regarding Transformation of Sentences discussed and exercises solved in class 5. Format of Summary Writing explained and exercise done in class	1. Discussion questions to encourage students engage with the story, poem and play so that they think critically about the themes, characters and plot of these lessons 2. Role play to enact and bring to life critical scenes in the play 3. Chart explaining the important rules regarding Transformation of Sentences 4. Sample of a model Precis' shown to the students
SEPTEMBER	2 (Pre-Test)  Selection Begins From 25 <sup>th</sup> September 2023  4 (Selection)	<u>Entire Syllabus of Pre-Test Examination completed</u>  <u>Pre-Test Examination From 7th - 23rd September 2023</u>	Syllabus For Pre-Test Examination includes the following chapters: 1. Prose - Chapters 1, 2 and 3 (from <i>Mindscapes</i> ) 2. Poetry - Chapters 1, 2 and 3 (from <i>Mindscapes</i> ) 3. Play - The Proposal (from <i>Mindscapes</i> ) 4. Writing Skills - Report Writing, Formal Letter Writing and Summary Writing 5. Textual Grammar	Revision Of All Chapters Included In Pre-Test Examination	

Teachers are requested to prepare a LESSON PLAN for each Topic to be taught. The Lesson Plans are to be submitted along with the monthly planner.

Signature of the Co-Teachers: 1. Melroy Anthony 2. Angela V Banerjee

Submitted on: 30.06.2023

JKM  
10/07/23 3. Soumesh Hazra 4. Kalyani Banerjee

Academic Co-ordinator: Soumak Chatterjee

PRINCIPAL:

VICE PRINCIPAL: Ruban Ghosh





# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2023-2024



Subject: English

Term: Selection

Name of the Subject Co-ordinator: Melroy Anthony

Name of the Book: *Mindscapes*

No. of Working Days: 32

No. of Periods Available: 22

Class: 12

Sections: A, B

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
OCTOBER	14	1. Prose Chapter 4 (Pg Nos 54-57 from <i>Mindscapes</i> ) 2. Poetry Chapter 4 (Pg No 65 from <i>Mindscapes</i> ) 3. Textual Grammar 4. Writing Skills	1. Three Questions (Pg Nos 54-57 from <i>Mindscapes</i> ) 2. The Poetry of Earth (Pg No 65 from <i>Mindscapes</i> ) 3. Do As Directed 4. Formal Letter Writing	1. a) Explanation of the text b) Multiple Choice Questions, Short Answer Questions and Long Answer Questions 2. a) Explanation of the text b) Multiple Choice Questions, Short Answer Questions and Long Answer Questions 3. Rules regarding Do As Directed explained and exercises solved in class 4. Formal Letters practised in class  <u>Last Date For Submission Of Projects Is On 31<sup>st</sup> October 2023</u>	1. Discussion questions to encourage students engage with the story and poem and think critically about the themes, characters and plot of the lessons 2. Chart explaining the important rules regarding Do As Directed 3. Sample of a Business Letter shown to the students
NOVEMBER	8	<u>Entire Syllabus of Selection Examination Completed</u>  <u>Selection Examination starts from 16<sup>th</sup> November, 2023</u>	Syllabus For Selection Examination includes the following chapters: 1. Prose – Chapters 1, 2, 3 and 4 (from <i>Mindscapes</i> ) 2. Poetry – Chapters 1, 2, 3 and 4 (from <i>Mindscapes</i> ) 3. Play 4. Writing Skills – Report Writing, Summary Writing and Formal Letter Writing 5. Textual Grammar 6. Comprehension	Revision Of All Chapters Included In Pre-Test and Selection Examination	
DECEMBER	NIL				

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Signature of the Co-Teachers: 1. *Melroy Anthony* 2. *Angela V. Francis*  
3. *Soumava Hazra* 4. *Kalyani Banerjee*

Submitted on: 30.06.2023

Academic Co-ordinator: *Soumak Chatterjee*

*JKM*  
*10/07/23*

PRINCIPAL:

VICE PRINCIPAL:

*Rishon Ghosh*



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2023-2024



Subject: HINDI. Term: 1<sup>ST</sup> TERM Name of the Subject Co-ordinator: PRITI TIWARI Name of the Book/s हिन्दी पाठसंचयन ,हिन्दी साहित्य का इतिहास

No. of Working Days: 72 No. of Periods Available: 22 Class- 12... Sections: A, B

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
APRIL	4	.नशा (पृष्ठ स -82 -86) .कबीर के दोहे (पृष्ठ स -99 -100) ) व्याकरण-कारक चिह्न उपसर्ग, प्रत्यय रिपोर्टाज-सामायिक विषयों पर	कवि परिचय ,अंशों का पाठ तथा व्याख्या, महत्वपूर्ण विषयों पर रिपोर्टाज	पाठों के अध्ययन तथा अध्यापन, लेखक परिचय, महत्वपूर्ण अंशों की व्याख्या, प्रमुख कठिन शब्दों का अर्थ स्पष्टीकरण, प्रासंगिक भावों का स्पष्टीकरण, प्रश्नों पर चर्चा	काव्य पाठ एवं संक्षेपण लिखना
MAY	6	कुटज (पृ स .65 -70 ) ,आई - बहन(पृ स 79-81	अंशों का पाठ तथा व्याख्या	लेखक परिचय ,अंशों का पाठ तथा व्याख्या, महत्वपूर्ण विषयों पर रिपोर्टाज	परिचर्चा
JUNE	4	परियोजना कार्य खड़ी बोली का इतिहास व विकास .भारतेंदु युग तथा प्रमुख साहित्यकार -भारतेंदु हरिश्चंद्र, बालमुकुन्द गुप्त .द्विवेदी युग तथा प्रमुख साहित्यकार	परियोजना कार्य-अंतरजाल पर हिंदी की स्थिति, ई- समाचार पत्र, तथा हिंदी वेबसाइट खोजना, सूचि बनाना, जानकारी उपलब्ध करना , कबीर की काव्यगत विशेषताएँ, अंशों की व्याख्या, कहानी के तत्वों के आधार पर समीक्षा	इतिहास की पूर्व जानकारी, प्रवृत्तियाँ और प्रमुख लेखक	कक्षा में दिए गए विषय पर प्रस्तुति
JULY	8	हो गई है पीर पर्वत सी(पृ स- 109 ) ,अवकाश वाली सभ्यता(पृ स-105 -106 ) पारिभाषिक शब्दावली -1-25 तक	बोध मूलक, व्याख्या मूलक, बहु वैकल्पिक , लघु तथा व्याख्या मूलक प्रश्नों के अभ्यास, प्रमुख साहित्यकार	कवि परिचय ,अंशों का पाठ तथा व्याख्या, प्रासंगिक अंशों का स्पष्टीकरण परियोजना जमा तिथि -13.7.23	देश-प्रेम से संबंधित अन्य कवितयों पर चर्चा

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. Priti Tiwari 2. Soumak Chatterjee

PRINCIPAL

14/07/23

Submitted on: 30.6.23

Academic Co-ordinator: Soumak Chatterjee

VICE PRINCIPAL

Priti Tiwari



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2023-2024



Subject: HINDI . Term: 1<sup>ST</sup> TERM & 2<sup>ND</sup> TERM Name of the Subject Co-ordinator: PRITI TIWARI Name of the Book/s हिन्दी पाठ संचयन , हिन्दी साहित्य का इतिहास

No. of Working Days: 32

No. of Periods Available: 21

Class: 12 Sections: A,B

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
AUGUST	9	संध्या सुंदरी (पृ स-103-104 ) समय के ढेर पर- (पृ स-107-108 ) मलबे का मालिक(पृ स -89-96 ) कलाकार की व्यक्तिगत ईमानदारी (पृ स-71 -76 )	पाठों के अध्ययन तथा अध्यापन ,आदर्श पाठ ,महत्वपूर्ण अंशों की व्याख्या,प्रमुख शब्दों का अर्थ , प्रासंगिक भावों का स्पष्टीकरण	बोध मूलक,व्याख्या मूलक, बहु वैकल्पिक ,लघु तथा व्याख्या मूलक प्रश्नों के अभ्यास	कक्षा में दिए गए विषय पर वाद -विवाद
SEPTEMBER	4	चयन परीक्षा -7.9.23 3.तुलसीदास के पद (पृ स-101-102 )	महत्वपूर्ण अंशों की व्याख्या,प्रमुख शब्दों का अर्थ , प्रासंगिक भावों का स्पष्टीकरण,	बोध मूलक,व्याख्या मूलक, बहु वैकल्पिक ,लघु तथा व्याख्या मूलक प्रश्नों के अभ्यास	परिचर्चा
OCTOBER	4	प्रगतिवाद,प्रयोगवाद 2.पत्र-लेखन कारक चिह्न,संधि,समास -वाक्य संशोधन,वाक्य परिवर्तन,मुहावरे पारिभाषिक शब्दावली -25-50	बोध मूलक,व्याख्या मूलक, बहु वैकल्पिक ,लघु तथा व्याख्या मूलक प्रश्नों के अभ्यास	पाठों के आधार पर व्याकरण के भागों का अभ्यास	कक्षा में दिए गए तात्कालिक विषय पर अपने विचार प्रकट करना
NOVEMBER	4	पूर्व पाठों का अध्ययन प्रथम एवं द्वितीय सत्र में पढ़ाए गए सभी पाठ आएंगे   चयन परीक्षा - 16.11.23	पढ़े गए सभी पाठों का अध्ययन	प्रसन्नोत्तर	किन्हीं पाँच बच्चों के द्वारा नाट्य प्रस्तुति

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. *Priti Tiwari*

2. *Sania Gupta*

Submitted on: *30-6-23*

Academic Co-ordinator: *Soumak Chatterjee*

PRINCIPAL

*JKM*  
*10/07/23*

VICE PRINCIPAL

*Rubem Jindal*





# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2023-2024



Subject: Bengali Term: Pre Test  
No. of Working Days: 72

Name of the Subject Co-ordinator: Arpita Chandra  
No. of Periods Available: 40

Name of the Book/s সাহিত্যচর্চা(সো.চর্চা), বাঙালির ভাষা ও শিল্প সাহিত্যের ইতিহাস(বা.ইতি)  
Class: XII  
Sections: A & B

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
APRIL	4	১। গদ্য ২। কবিতা ৩। কবিতা	১। কে বাঁচায় কে বাঁচে (সো.চর্চা) (পৃষ্ঠা-৩-৭) ২। শিকার (সো.চর্চা) (পৃষ্ঠা-৮-১৫) ৩। রূপ নারানের কূলে (সো.চর্চা) (পৃষ্ঠা-২৩)	বিষয়বস্তুর বিশ্লেষণ ও ব্যাখ্যা সহ সংক্ষিপ্ত, অতিসংক্ষিপ্ত, রচনাধর্মী প্রশ্ন উত্তরের আলোচনা- কে বাঁচায় কে বাঁচে, শিকার, রূপ নারানের কূলে	কে বাঁচায় কে বাঁচে-গল্পের নাট্যরূপ
MAY	12	৪। আমার বাংলা ৫। ভাষার ইতিহাস ৬। গানের ইতিহাস ৭। আন্তর্জাতিক কবিতা  (*প্রকল্প)	৪। গারো পাহাড়ের নীচে, ছাতির বদলে হাতি (সো.চর্চা) (পৃষ্ঠা-৩-৭) ৫। ভাষা বিজ্ঞান ও তার শাখাপ্রশাখা (বা.ইতি) (পৃষ্ঠা-৩-৭) ৬। নজরুল ইসলাম পর্যন্ত (বা.ইতি) (পৃষ্ঠা-১-১৬) ৭। পড়তে জানে এমন এক মজুরের প্রশ্ন (সো.চর্চা) (পৃষ্ঠা-৬১)  (*গল্পের নাট্যরূপ)	বিষয়বস্তুর বিশ্লেষণ ও ব্যাখ্যা সহ সংক্ষিপ্ত, অতিসংক্ষিপ্ত, রচনাধর্মী প্রশ্ন উত্তরের আলোচনা- গারো পাহাড়ের নীচে, ছাতির বদলে হাতি, গানের ইতিহাস, পড়তে জানে এমন এক মজুরের প্রশ্ন	গানের ইতিহাসের উপর একটি চার্ট
JUNE	4	৮। গল্প ৯। নাটক	৮। ভাত (সো.চর্চা) (পৃষ্ঠা-৮-১৫) ৯। বিভাব, নানা রঙের দিন (সো.চর্চা) (পৃষ্ঠা-৩৩-৬০)	বিষয়বস্তুর বিশ্লেষণ ও ব্যাখ্যা সহ সংক্ষিপ্ত, অতিসংক্ষিপ্ত, রচনাধর্মী প্রশ্ন উত্তরের আলোচনা- ভাত, বিভাব, নানা রঙের দিন	নানা রঙের নাটকের নাট্যরূপ
JULY	20	৯। নাটক ১০। বাংলা গানের ধারা, বাংলা চলচ্চিত্রের কথা ১১। কবিতা  *প্রকল্প জমা দেওয়ার শেষ দিন- ২ জুলাই, ২০২৩	৯। বিভাব, নানা রঙের দিন (সো.চর্চা) (পৃষ্ঠা-৩৩-৬০) ১০। মুকুন্দ দাস থেকে বঙ্গদেশে যন্ত্রসঙ্গীতের ধারা, চলচ্চিত্রের সম্পূর্ণ অধ্যায় (বা.ইতি) (পৃষ্ঠা-১৬-৩০) ১১। আমি দেখি (সো.চর্চা) (পৃষ্ঠা-২৮)  *প্রকল্প জমা দেওয়ার শেষ দিন- ২ জুলাই, ২০২৩	বিষয়বস্তুর বিশ্লেষণ ও ব্যাখ্যা সহ সংক্ষিপ্ত, অতিসংক্ষিপ্ত, রচনাধর্মী প্রশ্ন উত্তরের আলোচনা- বিভাব, নানা রঙের দিন, আমি দেখি	চলচ্চিত্রের উপর একটি চার্ট

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. Arpita Chandra

2. Anita Kundu

Submitted on: 30.06.2023

Academic Co-ordinator: Saumak Chatterjee

PRINCIPAL

10/07/23

VICE PRINCIPAL

Anita Kundu



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2023-2024



**Subject:** Bengali **Term:** Selection Test **Name of the Subject Co-ordinator:** Arpita Chandra **Name of the Book/s** সাহিত্যচর্চা(সা.চর্চা), বাঙালির ভাষা ও শিল্প সাহিত্যের ইতিহাস(বা.ইতি)  
**No. of Working Days:** 49 **No. of Periods Available:** 30 **Class:** XII **Sections:** A & B

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
AUGUST	12	১২। ভাষার ইতিহাস ১৩। বাঙালির চিত্রকলা, বিজ্ঞান চর্চা, ক্রীড়াসংস্কৃতি ১৪। প্রবন্ধ ১৫। গদ্য, কবিতা	১২। ধ্বনিতত্ত্ব ও রূপতত্ত্ব(বা.ইতি) (পৃষ্ঠা--) ১৩। সম্পূর্ণ অধ্যায় (বা.ইতি)  ১৪। প্রবন্ধ ১৫। ভারতবর্ষ, ক্রন্দনরতা জননীর পাশে, মছয়ার দেশ (সা.চর্চা) (পৃষ্ঠা-১৬-২২,২৯,২৬)	বিষয়বস্তুর বিশ্লেষণ ও ব্যাখ্যা সহ সংক্ষিপ্ত, অতিসংক্ষিপ্ত, রচনাধর্মী প্রশ্ন উত্তরের আলোচনা- ভারতবর্ষ, ক্রন্দনরতা জননীর পাশে, মছয়ার দেশ, ধ্বনিতত্ত্ব ও রূপতত্ত্ব, বাঙালির চিত্রকলা, বিজ্ঞান চর্চা, ক্রীড়াসংস্কৃতি	অবনীন্দ্রনাথ ঠাকুর, রবীন্দ্রনাথ ঠাকুর, যামিনী রায়ের বিভিন্ন ছবির উপর একটি চার্ট।
SEPTEMBER	4	<b>*Pre test Syllabus</b>  <b>Pre test begins from 7/9/23</b>	<b>*Pre test Syllabus</b>  *কে বাঁচায় কে বাঁচে, শিকার, রূপ নারানের কূলে, গারো পাহাড়ের নীচে, ছাতির বদলে হাতি, ভাষা বিজ্ঞান ও তার শাখাপ্রশাখা, পড়তে জানে এমন এক মজুরের প্রশ্ন, গানের ইতিহাস, বাঙালির চিত্রকলা, ভাত, বিভাব, নানা রঙের দিন, ধ্বনিতত্ত্ব ও রূপতত্ত্ব, আমি দেখি, বাংলা চলচ্চিত্রের কথা, প্রবন্ধ।	পুরণো পাঠের অনুশীলন	দৃশ্য ও শ্রুতিগাম্য সামগ্রী
OCTOBER	12	১৫। গদ্য, কবিতা ১৬। ভাষার ইতিহাস ১৭। আমার বাংলা ১৮। ভারতীয় গল্প	১৫। ভারতবর্ষ, ক্রন্দনরতা জননীর পাশে মছয়ার দেশ (সা.চর্চা) (পৃষ্ঠা-১৬-২২,২৯,২৬) ১৬। বাক্যতত্ত্ব ও শব্দার্থতত্ত্ব(বা.ইতি) (পৃষ্ঠা--) ১৭। কলের কলকাতা, মেঘের গায়ে জেলখানা, হাত বাড়াও(সা.চর্চা) (পৃষ্ঠা-৬৯) ১৮। অলৌকিক(সা.চর্চা) (পৃষ্ঠা-৬৫-৬৮) <b>*Entire syllabus is completed</b>	বিষয়বস্তুর বিশ্লেষণ ও ব্যাখ্যা সহ সংক্ষিপ্ত, অতিসংক্ষিপ্ত, রচনাধর্মী প্রশ্ন উত্তরের আলোচনা- ভারতবর্ষ, ক্রন্দনরতা জননীর পাশে, মছয়ার দেশ, কলের কলকাতা, মেঘের গায়ে জেলখানা, হাত বাড়াও, বাক্যতত্ত্ব ও শব্দার্থতত্ত্ব, অলৌকিক	অলৌকিক গল্পটির নাট্যরূপ
NOVEMBER	2	<b>*Selection Test begins from 16/11/2023</b>  <b>REVISION</b>	<b>* Selection Test Syllabus- Entire syllabus</b>  <b>REVISION</b>		

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. Arpita Chandra 2. Amit Kumar

Submitted on: 30.06.2023

Academic Co-ordinator: Soumak Chatterjee

PRINCIPAL

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Arpita Chandra



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA – 700019

Session Plan/ Syllabus Coverage for the Academic Year 2023-2024



Subject: Accountancy

Term: Pre-Test

Name of the Subject Co-ordinator: Mr. Pralay Kabi

Name of the Book: Graded Problem on Accountancy XII

No. of Working Days: 49

No. of Periods Available: 58

Class: XII Section: B

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
April	09	Part A Unit 1: Introduction to Partnership  Part B Unit 1: Analysis of Financial Statements Financial Statements of a Company Financial Statement Analysis	Meaning of Partnership, partnership firms, partnership deed. Provision of the Indian Partnership Act, 1932; Fixed v/s fluctuating capital accounts, division of profits among the partners, guarantee of profits, pass adjustments (relating to interest on capital, interest on drawing, salary and profit-sharing ratio. Preparation of profit and loss appropriation accounts. Goodwill: Nature, factors affecting and methods of valuation –average profit, super profit, and capitalization of profit. Balance Sheet of a Company as per Company Act, 2013 Meaning, Objectives and Limitations	Class notes, discussion and explanation of the Chapter. Discussion of questions as per H.S. Council guideline from the Text Book & the Reference Book. <b>Basu &amp; Dutta (Rabindra Library):</b> Page: 11 – 37 Page: 275 – 292	Demonstration and analysis of Indian Partnership Act by chart presentation. Preparation of another chart to the format of Balance Sheet as per Indian Companies Act, 2013.
May	14	Unit 2: Reconstruction of Partnership Change in the Profit-Sharing Ratio among the Existing Partners. Accounting treatment of Goodwill Part B (ACCT Project) Unit 1: Analysis of Financial Statements continued..... Tools for Financial Statement Analysis: Accounting Ratios	Sacrificing Ratio, Gaining Ratio, Accounting for Revaluation of Assets and Re-assessment of Liabilities and Distribution of Reserves and Accumulated Profits. Accounting treatment of goodwill in case of admission, retirement and death.  <b>Assignment of Accountancy Project to the students.</b>  Comparative Statements, Common Size Statements, Ratio Analysis Liquidity Ratios; Solvency Ratios; Activity Ratios; Profitability Ratios.	Class notes, discussion and explanation of the Chapter. Discussion of questions as per H.S. Council guideline from the Text Book & the Reference Book. <b>Basu &amp; Dutta (Rabindra Library):</b> Page: 38 - 71 Page: 293 - 351	Group Activities to give a clear picture about sacrificing ratio and gaining ratio. Chart presentation of accounting treatment of goodwill Chart presentation related to format of FSA
June	11	Unit 2: Reconstruction of Partnership continued..... Admission of a Partner Unit 3: Accounting for Share capital Share and Share Capital Accounting for Share Capital	Effect of Admission of Partner on: Change in Profit Sharing Ratios, Treatment of Goodwill (as per AS 26), Treatment of Revaluation of Assets and Re-Assessment of Liabilities, Treatment of Reserves and Accumulated Profits, Adjustment of Capital Accounts and Preparation of Balance Sheet. Issue and allotment of Equity Shares; Private Placement of Shares, Subscriptions of Shares – Over Subscription and Under Subscription of Shares, Issue at Par and Premium, Calls-in advance and Arrears, Issue of Shares for consideration other than Cash. <b>Verification &amp; Submission of Accountancy Project on Friday, 23<sup>rd</sup> June, 2023</b>	Class notes, discussion and explanation of the Chapter. Discussion of questions as per H.S. Council guideline from the Text Book & the Reference Book. <b>Basu &amp; Dutta (Rabindra Library):</b> Page: 97 - 147 Page: 207 – 248	Problem based on Admission of Partner is given and three groups are created to prepare Revaluation A/C, Partners Capital Account and Balance Sheet. Demonstration of chart to discuss different accounting entries related to issue of shares.
July	24	Unit 2: Reconstruction of Partnership continued..... Retirement & Death of a Partner  Unit 3: Accounting for Share capital Continue....	Effect of Retirement / Death of a partner – Change in Profit Sharing Ratio, Treatment of Goodwill, Treatment of Revaluation of assets and Re-Assessment of Liabilities, Adjustment of Accumulated Profits and Reserves, Calculation of deceased partner's share of profit till the date of death. Preparation of Deceased Partner's Executor's Account and preparation of Balance Sheet Accounting treatment of Forfeiture of Shares Disclosure of Share Capital in Company's Balance Sheet	Class notes, discussion and explanation of the Chapter. Discussion of questions as per H.S. Council guideline from the Text Book & the Reference Book. <b>Basu &amp; Dutta (Rabindra Library):</b> Page: 148 - 206 Page: 207 – 248	Problem based on Retirement of Partner is given and three groups are created to prepare Revaluation A/C, Partners Capital Account and Balance Sheet. Chart presentation related to accounting entries of forfeiture.

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Kindly mention the chapters included for Terminal Examinations.

Signature of the Co – Teachers: 1. Mr. Pralay Kabi

*Pralay Kabi*

2. Mr. Partha Datta

*Partha Datta*

PRINCIPAL

*JKN*  
*10/07/23*

Submitted on: 30.06.2023

Academic Co-ordinator: Saunak Chatterjee

VICE PRINCIPAL

*Rishan Chatterjee*





# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA – 700019

Session Plan/ Syllabus Coverage for the Academic Year 2023-2024



Subject: Accountancy Term: Pre-Test & Selection Test

Name of the Subject Co-ordinator: Mr. Pralay Kabi

Name of the Book: Graded Problem on Accountancy XII

No. of Working Days: 49

No. of Periods Available: 57

Class: XII Sections: B

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
August	25	Unit 2: Reconstruction of Partnership continued..... Retirement & Death of a Partner Unit 3: Accounting for Share capital Continue....	Effect of Retirement / Death of a partner – Change in Profit Sharing Ratio, Treatment of Goodwill, Treatment of Revaluation of assets and Re-Assessment of Liabilities, Adjustment of Accumulated Profits and Reserves, Calculation of deceased partner's share of profit till the date of death. Preparation of Deceased Partner's Executor's Account and preparation of Balance Sheet Accounting treatment of Forfeiture of Shares Disclosure of Share Capital in Company's Balance Sheet	Class notes, discussion and explanation of the Chapter. Discussion of questions as per H.S. Council guideline from the Text Book & the Reference Book. <b>Basu &amp; Dutta (Rabindra Library):</b> Page: 148 - 206 Page: 207 - 248	Group Activities related to application of P/L Suspense A/C Chart presentation of Company Balance Sheet for issue of Shares
September	02 (Pre-Test) 04 (Selection Test)	Pre-Test starts from 7 <sup>th</sup> September, 2023 and ends on 23 <sup>rd</sup> September, 2023. <u>Pre-Test syllabus:</u> Part A: Unit 1, 2 & 3 Part B: Unit 1	Revision  Discussion of Pre-Test Question Paper	Giving special attention to MCQ and SAQ as per HS Council guideline.  <b>The entire syllabus of Pre-Test is completed</b>	Group activity with different sums from all chapters included in the Pre – Test syllabus
October	17	Part A Unit 4: Accounting for Debentures Part B Unit 2: Cash Flow Statement	Meaning; Issue of debenture at par and at premium; Issue of debenture for consideration other than cash; Debenture as collateral security; interest on debenture Meaning, Objectives and Preparation of Cash Flow Statement (As per AS 3)	Class notes, discussion and explanation of the Chapter. Discussion of questions as per H.S. Council guideline from the Text Book & the Reference Book. <b>Basu &amp; Dutta (Rabindra Library):</b> Page: 249 - 272 Page: 352 - 394	Demonstration and analysis of accounting entries of issue of debentures. Preparation and analysis of tables of Cash Flow Statements of different years.
November	09	Selection Test begins on 16 <sup>th</sup> Nov., 2023. Selection Test Syllabus: Part A: Unit 1 to 4 Part B: Unit 1 to 2	Revision	Giving special attention to MCQ and SAQ as per HS Council guideline. <b>The entire syllabus for the Selection Test is completed.</b>	Group activity with different sums from all chapters included in the Selection Test syllabus.

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. Mr. Pralay Kabi 2. Mr. Partha Datta

Submitted on: 30.06.2023

Academic Co-ordinator: Soumak Chatterjee

PRINCIPAL

JKM  
10/07/23

VICE PRINCIPAL

Rohan Chakrabarty



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA – 700019

Session Plan/ Syllabus Coverage for the Academic Year 2023-2024



Subject: Costing & Taxation

Term: Pre-Test Name of the Subject Co-ordinator: Mr. Partha Datta

Name of the Book: Higher Secondary Costing & Taxation XII

No. of Working Days: 49

No. of Periods Available: 58

Class: XII

Sections: B

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
April	09	<b>COSTING</b> Unit 1: Cost of Materials II <b>TAXATION</b> Unit 1: Income from House Properties	Methods of Pricing Materials Issues from Stores and Preparation of Store Ledger Accounts – FIFO Method and LIFO Method  (i) Chargeability – Essential Conditions (Section 22), Property Income exempt from Tax.	Basu & Nayak (Rabindra Library) Page 3 to 34. Selected questions from Exercises (Page 47 to 66). As per HS Council guideline. Basu & Nayak (Rabindra Library) Page 3 to 8. Selected questions from Exercises (Page 80 to 105). As per HS Council guideline.	Demonstration and Group Activities. Prepare 2 Charts to show: • FIFO & LIFO • Taxability of Income from House Property
May	14	<b>COSTING</b> Unit 1: Cost of Materials II (Continuation) <b>CSTX Project</b> <b>TAXATION</b> Unit 1: Income from House Properties (Continuation)	Simple Average Method – Weighted Average Method  <b>Assignment of Costing and Taxation Project to the Students.</b>  Gross Annual Value [Sec. 23(1)] (ii) Computation of Income from Let out House Property : Adjustment of Vacancy Period	Basu & Nayak (Rabindra Library) Page 34 to 47. Selected questions from Exercises (Page 47 to 66). As per HS Council guideline. Basu & Nayak (Rabindra Library) Page 9 to 35. Selected questions from Exercises (Page 80 to 105). As per HS Council guideline.	Assisting Students to Prepare Costing & Taxation Project. • Make a chart showing Simple Average & Weighted Ave. • Make another chart to show GAV & NAV
June	11	<b>COSTING</b> Unit 2: A: Cost of Labour <b>CSTX Project</b> <b>TAXATION</b> Unit 1: Income from House Properties (Continuation)	Time Keeping – Methods of Time Keeping (Manual and Mechanical) – Features of a Good Time Keeping System <b>Verification &amp; Submission of Costing and Taxation Project on Friday, 23<sup>rd</sup> June, 2023.</b>  Standard Deduction u/s 24(a), Interest on Borrowed Capital u/s 24(b) [excluding interest for pre-construction period]	Basu & Nayak (Rabindra Library) Page 67 to 85. Selected questions from Exercises (Page 101 to 111). As per HS Council guideline. Basu & Nayak (Rabindra Library) Page 35 to 73. Selected questions from Exercises (Page 80 to 105). As per HS Council guideline.	Group Activities to prepare a Sheet for Time Keeping & Time Booking Demonstrating the impact of Sec. 24(a) & 24(b) in old & new regime of Tax calculation.
July	24	<b>COSTING</b> Unit 2: A: Cost of Labour (Continuation) Unit 2: Methods of Remuneration <b>TAXATION</b> Unit 1: Income from House Properties (Continuation)	Time Booking – Methods of Time Booking – Ideal Time – Causes of Idle Time.  Time Rate Wage – Advantages and Limitations – Straight Piece Wage and Simple Problems and Limitations – Differential Piece Wage Rate: Taylor's – Advantages and Simple Problems, Limitations Computation of Income from one self occupied house and Let out House	Basu & Nayak (Rabindra Library) Page 85 to 100 and 113 to 130. Selected questions from Exercises (Page 169 to 189). As per HS Council guideline. Basu & Nayak (Rabindra Library) Page 74 to 79. Selected questions from Exercises (Page 80 to 105). As per HS Council guideline.	Demonstrations and experiments using objects and tools, Group activities for the preparation of Wage Sheet and determining the Income from House Property under old regime.

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. Mr. Partha Datta 2. Mr. Pralay Kabi

PRINCIPAL

*JKM*  
*10/7/23*

*Partha Datta* *Pralay Kabi*

Submitted on: *30.06.2023*

Academic Co-ordinator: *Soumak Chatterjee*

VICE PRINCIPAL

*Ruhana*



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA – 700019

Session Plan/ Syllabus Coverage for the Academic Year 2023-2024



**Subject: Costing & Taxation Term: Pre-Test & Selection Test Name of the Subject Co-ordinator: Mr. Partha Datta Name of the Book: Higher Secondary Costing & Taxation XII**

**No. of Working Days: 49**

**No. of Periods Available: 57**

**Class: XII**

**Sections: B**

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
August	25	<b>COSTING</b> Unit 2: Methods of Remuneration (Continuation) <b>TAXATION</b> Unit 2: Income from Capital Gain	Merrick's Differential Piece Wage Rate Method – Concept and simple problems; Halsey and Rowan Premium Bonus Scheme – Concepts and Simple Problems  Basis of Charge, Meaning of Capital Asset, Examples of Assets not treated as Capital Asset, Short-term Capital Asset; Long-term Capital Asset, Transfer of Capital Asset	Basu & Nayak (Rabindra Library) Page 130 to 189. Selected questions from Exercises (Page 169 to 189). As per HS Council guideline. Basu & Nayak (Rabindra Library). Selected questions from Exercises (Page 106 to 142). As per HS Council guideline.	Demonstration and Experiments with the sums of Methods of Remuneration. Making a Chart showing distinctly Capital Assets and Non-Capital Asset.
September	02 (Pre-Test) 04 (Selection Test)	<b>Costing &amp; Taxation</b> Pre-Test begins from 7 <sup>th</sup> September, 2023.. <u>Pre-Test syllabus:</u> Costing: Unit 1 and 2 Taxation: Unit 1 and 2 <b>Costing &amp; Taxation</b>	Revision  Discussion of Pre-test Question Paper	Giving special attention to MCQ and SAQ as per HS Council guideline. <b>The entire syllabus of Pre-Test is completed.</b>	Group activity with different sums from all chapters included in the Pre-Test Syllabus.
October	17	<b>COSTING</b> Unit 3: Basic Concept of Overhead <b>TAXATION</b> Unit 3: Income from Other Sources	Definition of Overhead - Importance of Overhead – Classification of Overhead (only element-based, function-based and behaviour-based classification) – Distinctions between Overhead and Prime Cost.  Basis of Charge (Section 56), Some examples of Income Generally Taxable under this head, Tax Treatment of Winning from Lotteries, Horse Race, Card Games, Cross Word Puzzles [Sec. 56(2)(ib), Interest on Securities [Sec. 56(2)(id)	Basu & Nayak (Rabindra Library). Selected questions from Exercises (Page 190 to 220). As per HS Council guideline.  Basu & Nayak (Rabindra Library). Selected questions from Exercises (Page 143 to 182). As per HS Council guideline.	Demonstrating the different levels types of overheads and their implication. Making a chart to show different types of incomes from other sources.
November	09	<b>Costing &amp; Taxation</b> Selection Test begins from 16 <sup>th</sup> Nov., 2023. <u>Selection Test Syllabus:</u> Costing: Unit 1, 2 & 3 Taxation: Unit 1, 2 & 3.	Revision	Giving special attention to MCQ and SAQ as per HS Council guideline. <b>The entire syllabus is completed.</b>	Group activity with different sums from all chapters included in the syllabus.

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. Mr. Partha Datta 2. Mr. Pralay Kabi  
PRINCIPAL

10/07/23

Submitted on: 30.06.2023

Academic Co-ordinator: Soumak Chatterjee  
VICE PRINCIPAL

Soumak Chatterjee





# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan for the Academic Year 2023-2024



Subject: Computer Application

Term: Pre Test

Name of the Subject Co-ordinator: Mr. Phalguni Pramanik

No. of Working Days: 72

No. of Periods Available: 59

Class: 12

Section: B

Text Book: Rudiments of Modern Computer Application 2 (RMCA2)

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
APRIL	10	Ch-7. Logic Gates and Logic Circuits RMCA2: (pg 7.1 – 7.24)	<ul style="list-style-type: none"> <li>Logic gates, Universal gates, Half &amp; Full Adder, Half &amp; Full Subtractor, 4-bit Adder and Subtractor, Multiplexer and Demultiplexer, Decoder and Encoder [RMCA2: ch 7 pg 7.1 – 7.24]</li> </ul>	<ul style="list-style-type: none"> <li>Truth tables, block diagrams, circuit diagrams of these topics. [RMCA2: ch 7 pg 7.1 – 7.24]</li> </ul>	<ul style="list-style-type: none"> <li>Chart Activity: All basic logic gates symbols and Truth table</li> </ul>
MAY	14	Ch-1. An Introduction to Networking RMCA2: (pg 1.1 –1.2) Ch-2. Network Components RMCA2: (pg 2.1 –2.7) Ch-3. Network Architecture and Topologies RMCA2: (pg 3.1 –3.3) Ch-4. LAN RMCA2: (pg 4.1 –4.4) Ch-5. MAN & WAN RMCA2: (pg 5.1 –5.11)	<ul style="list-style-type: none"> <li>Network Devices, hardware and media, Client Server Computations, Layers of Computers in a Network, Networking Architecture, Network Topologies [RMCA2: ch 2 pg 2.1 – 2.7, ch 3 pg 3.1 – 3.3]</li> <li>LAN, LAN protocols, Wireless LAN, Networking Devices, Definition of MAN, WAN, types of network connections, TCP/IP model &amp; WAN protocols, IP Addressing, DNS and URL [RMCA2: ch 4 pg 4.1 – 4.4, ch 5 pg 5.1 – 5.11]</li> </ul>	<ul style="list-style-type: none"> <li>Notes on corresponding topics and previous years' questions discussion [RMCA2: ch 2 pg 2.1 – 2.7, ch 3 pg 3.1 – 3.3, ch 4 pg 4.1 – 4.4, ch 5 pg 5.1 – 5.11]</li> <li>Lab Activity : The HTML [RMCA2: ch 6 pg 6.10 – 6.15]</li> </ul>	<ul style="list-style-type: none"> <li>A model to demonstrate various types of networking</li> </ul>
JUNE	11	Ch-6. The Internet and its Applications RMCA2: (pg 6.1 –6.10)	<ul style="list-style-type: none"> <li>History of Internet, Some Important ISPs, Network and Internet Security, The HTML [RMCA2: ch 6 pg 6.1 – 6.10]</li> </ul>	<ul style="list-style-type: none"> <li>Lab Activity : The HTML, Notes on corresponding topics [RMCA2: Ch 6.1 – 6.10]</li> </ul>	<ul style="list-style-type: none"> <li>A simple webpage designing using HTML</li> </ul>
JULY	24	Ch-8. An Introduction to DBMS RMCA2: (page 8.1- 8.12)  Ch-9. The Relational Database Model RMCA2: (page 9.1 – 9.5)	<ul style="list-style-type: none"> <li>Database, Data Abstraction, 3-schema architecture, various database languages, data models, components of a DBMS, different database users [RMCA2: ch 8 pg 8.1 – 8.12]</li> <li>Components of RDBMS, Relationships between Tables/Relations, keys and constraints in Relational table [RMCA2: ch 9 pg 9.1 – 9.5]</li> </ul>	<ul style="list-style-type: none"> <li>Definitions, Flowcharts, Table and its key components discussion, Worked out examples of previous years' questions [RMCA2: ch 8 pg 8.1 – 8.12, ch 9 pg 9.1 -9.5]</li> </ul>	<ul style="list-style-type: none"> <li>A group activity to discuss social media websites and their database</li> </ul>

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. *Phalguni Pramanik* 2. *Soumak Chatterjee*

Submitted on: *30.06.2023*

Academic Co-ordinator: *Soumak Chatterjee*

PRINCIPAL

*JKN*  
*10/07/23*

VICE PRINCIPAL

*Pranab Chatterjee*



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan for the Academic Year 2023-2024



Subject: Computer Application

Term: Pre Test and Test

Name of the Subject Co-ordinator: Mr. Phalguni Pramanik

No. of Working Days: 72 (Pre test) & 24 (Test)

No. of Periods Available: 60

Class: 12

Section: B

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	
AUGUST	25	Ch-10. Relational Algebra RMCA2: (pg 10.1 – 10.8)  Ch-11. SQL RMCA2: (pg 11.1-11.9)	<ul style="list-style-type: none"> <li>Relational Algebra, Various operations and Worked out examples [RMCA2: ch-10: pg 10.1 – 10.8]</li> <li>Introduction, SQL simple queries, string matching and aggregate functions [RMCA2: ch 11: pg 11.1 – 11.9]</li> </ul>	<ul style="list-style-type: none"> <li>Definitions, Flowcharts, Table and its key components discussion, Worked out examples of previous years' questions [RMCA2:ch-10 pg 10.1 -10.8]</li> <li>SQL problems and previous years' questions discussion [RMCA2: ch 11: pg 11.1 – 11.9]</li> </ul>	<ul style="list-style-type: none"> <li>Chart activity : list of SQL commands</li> </ul>
SEPTEMBER	7	PRE-TEST BEGINS FROM 7.09.2023  REVISION & ONGOING EXAM	PRE TEST EXAM SYLLABUS: RMCA2 CHAPTERS: 1. An Introduction to Networking, 2. Network Components, 3. Network Architecture and Topologies, 4. LAN 5. MAN & WAN, 6. The Internet and its Application, 7. Logic gates and Logic Circuits, 8. An Introduction to DBMS, 9. The Relational Database Model, 10. Relational Algebra, 11. SQL		
OCTOBER	17	Ch-12. Using MS EXCEL RMCA2: (pg 12.1 – 12.50)  Ch-13. Using MS ACCESS RMCA2: (pg 13.1 – 13.28)	<ul style="list-style-type: none"> <li>Introduction, Applications of options in Home tab, Formulas tab and Insert tab [RMCA2: ch 12 pg 12.1 - 12.50]</li> <li>MS Access: Working with Tables, Queries, Forms and Reports [RMCA2: ch 13 pg 13.1 – 13.28]</li> </ul>	<ul style="list-style-type: none"> <li>Questions on the corresponding topics, PYQs discussion, Lab Activity : MS EXCEL, MS Access [RMCA2: ch 12 pg 12.1 – 12.50, ch-13 pg 13.1 – 13.28]</li> </ul>	<ul style="list-style-type: none"> <li>Real-life application of MS Excel discussed</li> </ul>
NOVEMBER	11	SELECTION TEST BEGINS FROM 16.11.2023  REVISION & ONGOING EXAM	REVISION & ONGOING EXAM	REVISION & ONGOING EXAM	REVISION & ONGOING EXAM
SELECTION EXAM SYLLABUS : ALL THE ABOVE-MENTIONED CHAPTERS					

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. *Phalguni Pramanik* 2. *Soumak Chatterjee*

Submitted on: *30.06.2023*

Academic Co-ordinator: *Soumak Chatterjee*

*JEN*  
*10/07/23*

PRINCIPAL

VICE PRINCIPAL

*Rishav Jindal*



FOR GOD AND COUNTRY

# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/Syllabus Coverage for the Academic Year 2023-2024



Subject: Business Studies

Term: Pre-Test

Name of the Subject Co-ordinator: Mr. U. Riju James

Name of the Book: Higher Secondary Business Studies by Sana and Chatterjee

No. Of Working Days: 49

No. Of Periods Available: 58

Class: XII

Section: B

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AID
April	09	<b>PART A : Principles and Functions of Management</b> Unit 1: Nature and Significance of Management (BSTD Book 12: Page 03 – 30) Unit 2: Principles of Management (BSTD Book 12: Page 31 - 50)	Management – Concept, objectives, importance. Management as Science, Art, Profession. Levels of Management Management Functions –Planning, Organising, Staffing, Directing, Controlling. Coordination – Characteristics and Importance  Concept, Nature and Significance. Fayol's Principles of Modern Management Taylor's Scientific Management – Principles & Techniques.	Class notes, discussion and explanation of the Chapter. Discussion of questions as per H.S. Council guideline from the Text Book & the Reference Book.	Demonstration and experiments using practical situations pertaining to managerial decision making. A chart showing the various Principles of Management and their significance.
May	14	Unit 3: Business Environment (BSTD Book 12: Page 51 - 70)  <b>BSTD PROJECT</b>  Unit 4: Planning (BSTD Book 12: Page 71 - 90)	Concept, Importance. Dimensions of Business Environment – Economic, Social, Technological, Political and Legal. Concept of Liberalisation, Privatisation and Globalisation. Impact of Government Policy changes on Business and Industry with special reference of LPG.  <b>Business Studies Project to be given to the students</b>  Types of Plans – Objectives, Strategy, Policy, Procedure, Method, Rule, Budget, Programme.	Class notes, discussion and explanation of the Chapter. Discussion of questions as per H.S. Council guideline from the Text Book & the Reference Book.	Group activity involving students to make them understand the current business environment in India in comparison to pre 1990s. Debate on why planning is the most important pre requisite for any organisation.
June	11	Unit 5: Organising (BSTD Book 12: Page 91 - 114)	Concept & Importance; Steps; Structure- Functional & Divisional; Formal & Informal Organisation; Delegation: Concept, Elements and Importance; Decentralisation: Concept & Importance.	Class notes, discussion and explanation of the Chapter. Discussion of questions as per H.S. Council guideline from the Text Book & the Reference Book.	Experiments on various situations as to how organising is an important tool for any kind of business decision. Activity based understanding of formal and informal communication.
July	24	<b>PART B : Business Finance &amp; Marketing</b> Unit 9: Financial Management (BSTD Book 12: Page 179 - 206)  Unit 10: Financial Market (BSTD Book 12: Page 207 - 243)	Concept, Objective; Decision relating to Investment, Financing and Dividend; Financial Planning: Concept & Importance; Financial Structure: Concept and Factors affecting structure; Fixed and working Capital: Concept and Factors affecting its requirements.  Concept & Types; Money Market and its instruments; Capital market and its types (Primary and Secondary); Stock Exchange functions and; trading and settlement procedure; Demat and Depositories (NSDL & CDSL); NSEI & BSE (Objectives); SEBI: Objectives and functions	Class notes, discussion and explanation of the Chapter. Discussion of questions as per H.S. Council guideline from the Text Book & the Reference Book.	A debate on why financial management is an important tool for any organisation. Practical examples and case studies relating to Financial markets and its operations in the current business scenario as per guidelines of SEBI.

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Signature of the Co-Teachers: 1. *Soumya Chowdhury* 2. *U. James Riju*

Submitted on: 30.06.2023

Academic Co-ordinator: *Soumak Chatterjee*

Vice Principal *Rohana Datta*

Principal

*JKN*  
*10/07/23*





FOR GOD AND COUNTRY

# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/Syllabus Coverage for the Academic Year 2023-2024



Subject: Business Studies Term: Pre-Test & Selection Name of the Subject Co-ordinator: Mr. U. Riju James Name of the Book: Higher Secondary Business Studies by Sana and Chatterjee

No. Of Working Days: 49

No. Of Periods Available: 57

Class: XII

Section: B

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AID
August	25	Unit 6: Staffing (BSTD Book 12: Page 115 - 133)  Unit 7: Directing (BSTD Book 12: Page 134 - 160)  Unit 8: Controlling (BSTD Book 12: Page 161 - 178)	Concept & Importance; Staffing as a part of HRM; Staffing Process; Training & Development: Concept & Importance.  Concept and importance; Elements of Directing: Supervision – Concept, Function of a Supervisor. Motivation – Concept, Maslow Hierarchy of Needs, Financial and Non-financial incentives, Leadership – Concept, Qualities of a good leader, Communication – Concept, Formal and Informal Communication, Barriers of Effective Communication  Concept and Importance; Relationship between Planning and Controlling; Steps in the Process of Control	Class notes, discussion and explanation of the Chapter. Discussion of questions as per H.S. Council guideline from the Text Book & the Reference Book.	Case study on how staffing influences the overall operations of an organisation. A debate on the need for directing under various types of organizations. Demonstrations and experiments based on controlling as an important principle of management.
September	02 (Pre-Test) 04 (Selection Test)	<b>Business Studies</b> Pre-test starts from 07 <sup>th</sup> September, 2023 and ends on 23 <sup>rd</sup> September, 2023. <b>Pre-test syllabus:</b> Part A – Unit 1, 2, 3, 4, 5 and 6. Part B – Unit 9 and 10.	Revision  <b>The entire syllabus of Pre-Test is completed</b>  Discussion of Pre-Test Question Paper	Giving Special attention to MCQ and SAQ questions and answers as per HS Council guidelines	Assisting the students in solving various types of MCQ based questions and how to present answers especially for SAQ and LAQ.
October	17	Unit 11: Marketing Management (BSTD Book 12: Page 244 - 278)  Unit 12: Consumer Protection (BSTD Book 12: Page 279 - 294)	Marketing- Meaning, Functions, Marketing Vs Selling; Marketing Philosophies; Marketing Mix- Concept; Product, Price, Physical Distribution, Promotion  Concept and Importance; Consumer Protection Act; Consumer Awareness	Class notes, discussion and explanation of the Chapter. Discussion of questions as per H.S. Council guideline from the Text Book & the Reference Book.	Case studies of various organisations and their tools of marketing and their impacts. Role of the sales industry in the current scenario to generate more revenues for the firm. A role playing situation to under the need for consumer protection.
November	09	<b>Business Studies</b> Selection test starts from 16 <sup>th</sup> November, 2023. <b>Selection Test syllabus:</b> Part A – Unit 1, 2, 3, 4, 5, 6, 7, 8 Part B – Unit 9, 10, 11, 12	Revision  <b>The entire syllabus of Pre-Test is completed</b>  Discussion on previous year's question papers	Giving Special attention to MCQ and SAQ questions and answers as per HS Council guidelines	Classroom activities like quiz will be conducted based on the entire syllabus of Business Studies.

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Signature of the Co-Teachers: 1. *Soumya Chowdhury* 2. *U. James Riju*

Submitted on: 30.06.2023

Academic Co-ordinator: *Saunak Chatterjee*

Vice Principal

*Rishan Jindal*

Principal

*JRM*  
*10/07/23*



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/Syllabus Coverage for the Academic Year 2023-2024



Subject: Economics

Term: Pre-Test Name of the Subject Co-ordinator: Debaleena Ganguly

Name of the Book: Higher Secondary Economics

No. of Working Days: 29

No. of Periods Available: 58

Class: XII Sections: B

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
April	09	Ch-2: Demand	<b>Page No. 11-30</b> Concept of demand and its determinants, Derivation of demand curve, Consumer's surplus Law of Demand and its exception, price effect, income effect, and substitution effect.	<b>Page No. 11-30</b> Detailed explanation with hypothetical examples and diagrams of topics covered.	Real life examples given Demonstrations and experiments using practical objects.
May	14	Ch-3: Elasticity of demand (Page No. 31-43) Ch-4: Theory of Production (Page No. 44-59)	<b>Page No. 31-43:</b> Concept of 3 types of elasticity of demand and determinants <b>Page No. 44-59:</b> Production function, 2 laws of production, 3 stages of production, economies, dis economies of large scale production <b>Economics Project will be given</b>	<b>Page No. 31-43:</b> Diagrammatic explanation of different types of elasticity Notes will be given on each relevant topic in question answer format. <b>Page No. 44-59:</b> Explanation with example and relevant diagram.	Assisting students with vivid description on production Demonstrations and experiments using practical objects. Group discussion with various data numerical elastration
June	11	Ch-5: Theory of Cost (Page No. 60-78) Ch-6: Revenue (Page No. 79-90) Ch-7: Profit Maximisation (Page No. 91-98) Ch-8: Supply (Page No. 99-107)	<b>Page No. 60-78:</b> Concept of different types of cost <b>Page No. 79-90:</b> Concept of TR, AR, MR and their relationship <b>Page No. 91-98:</b> Profit maximisation condition, Elements of profit <b>Page No. 99-107:</b> Supply and its determinants, law of supply and its exceptions, elasticity of supply  <b>Verification &amp; Submission on Friday, 23<sup>rd</sup> June, 2023.</b>	<b>Page No. 60-78:</b> Detailed explanation with diagrams of topics covered. Derivation of different cost curves <b>Page No. 79-90:</b> TR, AR, MR and their relationship <b>Page No. 91-98:</b> Explanation of Profit, Profit maximising conditions <b>Page No. 99-107:</b> Law of supply and its exceptions, Supply curve, Supply elasticity	Demonstrations and experiments using practical objects. Group discussion with various data numerical elastration Text book and reference book
July	24	Ch-9: Different types of markets (Page No. 108-111) Ch-10: Perfect Competition (Page No. 112-125) Ch-20: Poverty, inequality and Unemployment (Page No. 277-302)	<b>Page No. 108-111:</b> Concept of Market Morphology <b>Page No. 112-125:</b> Concept of perfect competitive market and its characteristics Equilibrium under Perfect Competition, Short run and Long run equilibrium, Derivation of short run supply curve <b>Page No. 277-302:</b> Concept of poverty, inequality and unemployment, Causes and remedies of poverty, inequality and unemployment	<b>Page No. 108-111:</b> Classification of markets according to degree of competition <b>Page No. 112-125:</b> Derivation of short run and long run equilibrium in perfect competitive market. <b>Page No. 277-302:</b> Detailed explanation of the topic of poverty, inequality and unemployment.	Different types of markets demonstrated by real life examples experiments using practical objects. Group discussion with various data numerical elastration Assisting students to identify various poverty and unemployment eradication programs of India.

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. *Debaleena Ganguly*

PRINCIPAL

*JKW*  
*10/07/23*

Submitted on: *30.6.2023*

Academic Co-ordinator: *Soumak Chatterjee*

VICE PRINCIPAL

*Prabon Kumar*



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA – 700019

Session Plan/ Syllabus Coverage for the Academic Year 2023-2024



Subject: Economics

Term: Pre-Test Name of the Subject Co-ordinator: Debaleena Ganguly

Name of the Book: Higher Secondary Economics

No. of Working Days: 49

No. of Periods Available: 58

Class: XII Sections: B

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
August	25	Ch-11: Monopoly (Page No. 126-136) Ch-12: Cost determined pricing (Page No. 137-143) Ch-13: Theory of factor pricing (Page No. 144-167) Ch-14: National Income (Page No.168-182) Ch-15: Determination of equilibrium level of national income (Page No. 183-212)	<b>Page No. 126-136:</b> Monopoly power and equilibrium <b>(Page No. 137-143:</b> Concept of mark up pricing <b>Page No. 144-167:</b> Concept of rent, wages, interest and profit <b>Page No. 168-182:</b> Circular flow of income and measurement of national income <b>Page No. 183-212:</b> Consumption function and propensity to consume	<b>Page No. 126-136:</b> Explanation of monopoly equilibrium and degree of monopoly power <b>Page No. 137-143:</b> Explanation of mark up pricing <b>Page No. 144-167:</b> Explanation of different theory of rent ,wage and interest <b>Page No. 168-182:</b> Explanation of Circular flow of income and measurement of national income <b>Page No. 183-212</b>	Demonstrations and experiments using practical objects. Group discussion with various data numerical elastration Text book and reference books
September	02 (Pre-Test) 04 (Selection Test)	<b>Revision</b> <b>Pre-Test starts from 7<sup>th</sup> September, 2023 and ends on 23<sup>rd</sup> September, - 2023.</b> <b>Pre-Test syllabus:</b> Chapter 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, and 20	Revision <b>The entire syllabus of Pre-Test is completed.</b>  Discussion of Pre-test Question Paper	Giving special attention to MCQ and SAQ as per HS Council guideline.	Group discussion with various data numerical elastration
October	17	Ch-16: Banking system (Page No. 213-233) Ch-17: Fiscal Policy (Page No. 234-242) Ch-18: International Trade and BOP (Page No. 243-257) Ch-19: Measures of dispersion (Page No. 258-276)	<b>Page No. 213-233:</b> Functions of central bank and commercial bank Credit creation and credit control policy of commercial bank and central bank <b>Page No. 234-242:</b> Concept of Fiscal Policy and deficit financing <b>Page No. 243-257:</b> Concept of equality and equilibrium in BOP, Concept of BOP rate and exchange <b>Page No. 258-276:</b> S.D and its properties, Standard deviation calculation and Lorenz curve derivation	<b>Page No. 213-233:</b> Explanation of functions of central and commercial bank Credit creation by commercial bank and credit control by <b>Page No. 234-242:</b> Explanation of Fiscal Policy <b>Page No. 243-257:</b> Explanation and notes on BOP and exchange rate <b>Page No. 258-276:</b> Proof of properties of the S.D and sums from S.D.	Models of international trade explained. Experiments using practical objects. Group discussion with various data numerical elastration Text book and reference book
November	09	Ch-21: Reforms of different sectors (Page No. 303-318) <b>Test exam begins from 16<sup>th</sup> November, 2023.</b> <b>Test Syllabus::</b> <b>Ch - 2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21</b>	<b>Page No. 303-318:</b> Reforms of banking sector, insurance sector, types of insurance, Concept of WTO- advantages and disadvantages of India. Revision <b>The entire syllabus of Selection Test is completed.</b>	<b>Page No. 303-318:</b> Recommendations of different committees <b>Question answer discussion from Test Papers</b> Giving special attention to MCQ and SAQs per HS Council guideline.	Demonstrations and experiments using practical objects. Group discussion with various data numerical elastration,

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. *Debaleena Ganguly*

PRINCIPAL

*JTS*  
*10/07/23*

Submitted on: *30.6.2023*

Academic Co-ordinator: *Soumit Chatterjee*

VICE PRINCIPAL

*Pranab Chatterjee*



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2023-2024



Subject: Chemistry

Term: Pre-Test

Subject Co-Ordinator: Mr. Arnab Paul Chowdhury

Name of the Book/s: Chhaya Chemistry (Vol.1&2)

No. of Working Days: 72

No. of Periods Available: 86

Class: XII

Sections: A

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
April	10	UNIT-I: SOLID STATE (Vol.1: P.No.-3-40)	UNIT-I: Introduction to unit cell, Bravis lattice, different types of cells, Packing fraction, crystal defects, Radius ratio, magnetic properties,	The marks distribution of the WBCHSE council for the relevant chapter and model question-answer would be discussed. (Vol.1_P.No.-42 -88)	3D Models and formula table on Solid state
		UNIT-II: SOLUTION (Vol.1: P.No.-91-138)	UNIT-II: Vapour pressure, colligative properties, Abnormal colligative properties, Van't Hoff factor	Numerical & Road map problems and conceptual questions would be solved (Ref: Test papers and previous years WBCHSE question papers) (Vol.1_P.No.-147 -206)	Graphical demonstration, formula table and models on Solution
May	14	UNIT-IV: CHEMICAL KINETICS (Vol.1: P.No.-326-361)	UNIT-IV: Reaction rate, Order and molecularity, integrated rate expression for zero, 1 <sup>st</sup> , 2 <sup>nd</sup> and n <sup>th</sup> order reactions, variation of reaction rate with temperature, Arrhenius equation	Relevant questions would be solved (Ref: Test papers and previous years WBCHSE question papers) (Vol.1_P.No.-371 -427)	Formula table on Chemical Kinetics
		UNIT-V: SURFACE CHEMISTRY (Vol.1: P.No.-430-461)	UNIT-V: Discussion on Adsorption, Colloids, Enzyme, Solution, Peptization, Coagulation, Gold number, Hardy and Schulz rule etc.	Relevant questions would be solved (Ref: Test papers and previous years WBCHSE question papers) (Vol.1_P.No.-464 -486)	3D models and visual aids on Surface chemistry
June	11	UNIT-X: HALOALKANE & HALOARENES (Vol.2: P.No.-3-44)	UNIT-X: Synthesis of halo alkane, halo arene, properties of them and different chemical reactions, identification test	Road map problems and conceptual mechanism-based questions would be solved (Ref: Test papers and previous years WBCHSE question papers) (Vol.2_P.No.-51 -112)	Conversion chart and 3D models for better understanding of the reaction mechanism
		UNIT-XI: ALCOHOLS, PHENOLS AND ETHERS (Vol.2: P.No.-115-158)	UNIT-XI: Synthesis of Alcohols, Phenols & ethers; properties of them and different chemical reactions, identification tests, distinguishing methods, conceptual Council based questions would be discussed thoroughly	Conversions and conceptual mechanism-based questions would be solved (Ref: Test papers and previous years WBCHSE question papers) (Vol.2_P.No.-164 -224)	Demonstration by using models and visual aids
		UNIT-IX: COORDINATION COMPOUNDS (Vol.1: P.No.-790-836)	UNIT-IX: Unit cell formula calculation, density, void calculation, crystal defects would be discussed. Warner's theory, VBT, Isomerism, IUPAC nomenclature, metal carbonyl compounds	Conceptual questions would be solved (Ref: Test papers and previous years WBCHSE question papers) (Vol.1_P.No.-839 -878)	Demonstration by using models and visual aids
July	24	UNIT XII: ALDEHYDES, KETONES AND CARBOXYLIC ACIDS (Vol.2: P.No.-228-296)	UNIT-XII: Synthesis, Physical properties, Chemical reactions and identification tests for carbonyl compounds	Road map problems and conceptual mechanism-based questions would be solved (Ref: Test papers and previous years WBCHSE question papers) (Vol.2_P.No.-310 -385)	Conversion chart and 3D models for better understanding of the reaction mechanism
		UNIT-VII: P-BLOCK ELEMENTS (Vol.1: P.No.-549-638)	UNIT-VII: A comparative study based on inorganic group chemistry of group number 15/16/17/18	Relevant questions would be solved (Ref: Test papers and previous years WBCHSE question papers) (Vol.1_P.No.-643 -702)	Demonstration of reaction in Laboratory, models
Aug	25	UNIT-III: ELECTROCHEMISTRY (Vol.1: P.No.-209-250)	UNIT-III: Electrolysis and Faraday's law, Nernst equation, conductance, Kohlrausch's law	Numerical & Road map problems and conceptual questions would be solved (Ref: Test papers and previous years WBCHSE question papers) (Vol.1_P.No.-257 -323)	Formula table and 3D models on Chemical Kinetics
		UNIT-XIII: ORGANIC COMPOUNDS CONTAINING NITROGEN (Vol.2: P.No.-388-428)	UNIT-XIII: Synthesis, Physical properties, Chemical reactions and identification tests for carboxylic acid and Amines	Road map problems and conceptual mechanism-based questions would be solved (Ref: Test papers and previous years WBCHSE question papers) (Vol.2_P.No.-441 -488)	Conversion chart and 3D models for better understanding of the reaction mechanism
Sept Pre-Test exam begins on 7 <sup>th</sup> Sept	2	Revision	UNIT- I,II,III,IV,V,VII,IX,X,XII,XIII	Previous year's Board's papers will be discussed.	Synopsis chart on the entire syllabus for Pre-test
Syllabus for Pre-Test examination - Solid state (Unit-I), Solution (Unit-II), Chemical Kinetics (Unit-IV), Surface chemistry (Unit-V), Haloalkane and Haloarene (Unit-X), Alcohol, Phenol & Ether (Unit-XI), Coordination compounds ( Unit-IX), Aldehyde, Ketones and Carboxylic acids( Unit-XII), P-Block elements( Unit-VII), Electrochemistry(Unit-III), Organic compounds containing Nitrogen( Unit-XIII)					

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Signature of the Co-Teachers: 1. NAINA BOSE

2. ARNAB PAUL CHOWDHURY

*Naina Bose*

*Arnab Paul Chowdhury*

PRINCIPAL

Submitted on: 06.07.2023

Academic Co-ordinator: Soumak Chatterjee

*Soumak Chatterjee*

VICE PRINCIPAL





# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019



Session Plan/ Syllabus Coverage for the Academic Year 2023-2024

Subject: Chemistry

Term: Pre-Test

Subject Co-Ordinator: Mr. Arnab Paul Chowdhury

Name of the Book/s: Chhaya Chemistry (Vol.1&2)

No. of Working Days: 49

No. of Periods Available: 33

Class: XII

Sections: A

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
Sept	5	<b>UNIT-VI: GENERAL PRINCIPLES AND PROCESSES OF ISOLATION OF ELEMENTS</b> (Vol.1: P.No.-489-519)	<b>UNIT-VI:</b> Minerals, ores, extraction, purification and refining processes involved in metallurgy, Metallurgical study of Cu/Ag/Au/ Al/Fe/Zn. Special topics on metallurgy	Relevant questions would be solved (Ref: Test papers and previous years WBCHSE question papers) (Vol.1_P.No.-522 -546)	Video presentation on the industrial processes of metallurgy
		<b>UNIT-VIII: d &amp; f-BLOCK ELEMENTS</b> (Vol.1: P.No.-704-736)	<b>UNIT-VIII:</b> A comparative study based on d and f block elements	Relevant questions would be solved (Ref: Test papers and previous years WBCHSE question papers) (Vol.1_P.No.-742 -787)	Demonstration of reaction in Laboratory, models
Oct	17	<b>UNIT-XIV: BIOLOECULES</b> (Vol.2: P.No.-491-529)	<b>UNIT-XIV:</b> Structures, nature and important chemical reactions (Ref: Isoelectric pH, Zwitterion, Mutarotation, Inversion of cane sugar, peptide linkage, Vitamins, Enzyme, Nucleic acids	Conceptual questions would be solved (Ref: Test papers and previous years WBCHSE question papers) (Vol.2_P.No.-531 -559)	Video presentation on the application of Biomolecules
		<b>UNIT-XV: POLYMERS</b> (Vol.2: P.No.-562-582)	<b>UNIT-XV:</b> Different types of Polymers, methods of preparation, application, structures	Conceptual questions would be solved (Ref: Test papers and previous years WBCHSE question papers) (Vol.2_P.No.-585 -605)	Video presentation on the application of Polymers
		<b>UNIT-XVI: CHEMISTRY IN EVERYDAY LIFE</b> (Vol.2: P.No.-608-623)	<b>UNIT-XVI:</b> Different types of Drugs, Food additive, Cleansing agent	Conceptual questions would be solved (Ref: Test papers and previous years WBCHSE question papers) (Vol.2_P.No.-626 -647)	Video presentation on the application of Chemistry in everyday life
		<b>REVISION</b>	<b>UNIT-I to UNIT-XVI</b>	Concepts related to all the subtopics will be discussed and different types of numerical will be solved.	Videos, demonstration of conversion chart
Nov Selection Test begins on 16 <sup>th</sup> Nov	11	<b>REVISION(PHYSICAL)</b>	<b>UNIT-I to UNIT-V</b>	Concepts related to all the subtopics will be discussed	Demonstration of conversion chart
		<b>REVISION(ORGANIC)</b>	<b>UNIT-VI to UNIT-IX</b>	Concepts related to all the subtopics will be discussed	Demonstration of conversion chart
		<b>REVISION(INORGANIC)</b>	<b>UNIT-X to UNIT-XII</b>	Previous year's Board's papers will be discussed.	Demonstration of conversion chart
Dec		Proclamation of result			

**Syllabus for Selection Test examination** – All the units discussed during the academic session (i.e., from Unit – I to Unit – XVI)

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Signature of the Co-Teachers: 1. NAINA BOSE

2. ARNAB PAUL CHOWDHURY

*Naina Bose*

*Arnab Paul Chowdhury*

Submitted on: 06.07.2023

Academic Co-ordinator: *Soumik Chatterjee*

*JKN*  
*10/07/23*

PRINCIPAL

*Arnab Paul Chowdhury*

VICE PRINCIPAL



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019



Session Plan/ Syllabus Coverage for the Academic Year 2023-2024

Subject: Physics

Term: Pre-Test

Subject Co-ordinator: Soumitra Maity

Name of the Book: Chhaya Physics

No. of Working Days: 72

No. of Periods Available: 86

Class: XII

Sections: A

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
April	10	Electrostatics (Unit-I)(Pg No. -3)	Coulomb's Law Torque experienced by a dipole placed in an electric field Electric potential energy Gauss's Theorem & its applications in different cases.	Concepts related to all the subtopics will be discussed and different types of numericals will be solved from exercise Pg No. - 72	Model demonstration on Gauss's theorem to find E for different cases.
		Current Electricity(Unit-II) (Pg No. -217)	Ohm's law, graphical explanation, internal resistance & p.d. & e.m.f. of a cell, combination of cells	Important points and notes related to topics will be given. Important questions and numerical will be discussed from exercise Pg No. -265	Experimentation to verify Ohm's Law.
May	14	Electrostatics (Unit-I) Continued(Pg No. -22)	Capacitor, energy stored in a capacitor, Van-de-Graff generator, Dielectric polarization	Concepts related to all the subtopics will be discussed and different types of numericals will be solved from exercise Pg No. -129	Model demonstration for the re-distribution of charge in capacitors.
		Current Electricity(Unit-II) Continued(Pg No. -294)	Kirchhoff's law, Bridges and potentiometer	Important points and notes related to topics will be given. Important questions and numerical will be discussed from exercise Pg No. -315	Experimentation of comparing emf by a potentiometer instrument.
June	11	Magnetic effect of current & Magnetism(Unit-III) (Pg No. -365)	Oersted's experiment, Biot-Savat Law & its' applications, Ampere circuital law & its application, cyclotron principle, Torque experienced by a current loop in magnetic field.	Concepts related to all the subtopics will be discussed and different types of numericals will be solved from exercise Pg No. -423	Model demonstration of Oersted's experiments, and torque on a loop by a bar magnet and a conducting loop.
		Electromagnetic waves(Unit-V) (Pg No. -597)	ELECTROMAGNETIC SPECTRUM, E.B.C, DIFFERENT SOURCES OF E.M. WAVES, THEIR USES, Displacement current, Amperes circuital law	Important points and notes related to topics will be given. Important questions and numerical will be discussed from exercise Pg No. -610	Model demonstration of EM wave as E-component and B-component.
		Ray Optics(Unit-VI) (Pg No. -1, of Part -II)	Spherical mirror, Refraction of light, Refraction at Spherical surfaces, Lenses & its related fact prism, scattering, Raman Effect	Concepts related to all the subtopics will be discussed and different types of numericals will be solved from exercise Pg No. -33	Experimentation by concave mirror to find image at different u.
July	24	Magnetic effect of current & Magnetism(Unit-III) Continued(Pg No. -454)	Magnetism	Important points and notes related to topics will be given. Important questions and numerical will be discussed from exercise Pg No. -488	Model demonstration on hysteresis.
		Ray Optics(Unit-VI) Continued(Pg No. -47)	Optical Instrument – Microscope, telescope & magnifying power	Concepts related to all the subtopics will be discussed and numericals will be solved from exercise Pg No. -175	Experimentation by convex lens to find image at different u.
Aug	25	Electromagnetic induction and A.C. (Unit-IV) (Pg No. -503)	Induction-Faraday's Law, Lenz's Law, Self Inductance and Mutual Inductance, $I_0, V_0, I_{r.m.s}, V_{r.m.s}$ & LCR Circuit, A.C.	Important points and notes related to topics will be given. Important questions and numerical will be discussed from exercise Pg No. -576	Model demonstration on EM induction and ac circuit.
		Wave Optics(Unit-VI) (Pg No. -251)	Interference, Diffraction, Polarization	Concepts related to all the subtopics will be discussed and numerical will be discussed from exercise Pg No. -271	Model demonstration on superimposition of waves.
Sept Pre-Test exam begins on 7 <sup>th</sup> Sept	2	Revision Electrostatics (Unit-I) (Pg No. -22)	Gauss's Theorem & its applications in different cases.	Previous year's Board's papers will be discussed.	
<b>Syllabus for Pre-Test examination - Electrostatics (Unit-I), Current Electricity(Unit-II), Magnetic effect of current &amp; Magnetism(Unit-III), Electromagnetic induction and A.C. (Unit-IV), Electromagnetic waves(Unit-V), Ray Optics and Wave Optics (Unit-VI).</b>					

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Signature of the Co-Teachers: 1. Soumitra Maity 2. Malashree Nayagi

PRINCIPAL:

*JMS*  
10/07/23

Submitted on: 30.06.23

Academic Co-Ordinator: Soumak Chatterjee

VICE PRINCIPAL:

*Rishu*



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019



Session Plan/ Syllabus Coverage for the Academic Year 2023-2024

Subject: Physics

Term: Test

Subject Co-ordinator: Soumitra Maity

Name of the Book: Chhaya Physics

No. of Working Days: 49

No. of Periods Available:33

Class: XII

Sections: A

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
Sept	5	Dual nature of matter & relation (Unit-VII) (Pg No. - 321)	Einstein's photo electric enquiry: particle nature of light,	Concepts related to all the subtopics will be discussed and different types of numericals will be solved from exercise Pg No. -350	Model demonstration on photo electric effect.
		Atoms & Nuclei (Unit-VIII) (Pg No. -375)	BOHR MODEL,H-SPECTRUM, X-RAYS,	Important points and notes related to topics will be given. Important questions and numerical will be discussed from exercise Pg No. -400	Explanation of H-Spectra with the help of a model.
Oct	17	Dual nature of matter & radiation (Unit-VII) Continued(Pg No. -334)	Matter waves, de-Broglie relation	Concepts related to all the subtopics will be discussed and different types of numericals will be solved from exercise Pg No. -363	Model demonstration on de-Broglie wave length of particle.
		Atoms & Nuclei (Unit-VIII) Continued(Pg No. -417)	RADIOACTIVITY,DECAY-LAW,MASS ENERGY RELATION,MASS DEFECT,NUCLEAR FISSION AND FUSION	Important points and notes related to topics will be given. Important questions and numerical will be discussed from exercise Pg No. -452	Model demonstration for mass defect and B.E. of atom.
		Electronic devices (unit-IX) (Pg No. -465)	Semiconductor, I-V characteristics, Zener Diode, Transistor	Concepts related to all the subtopics will be discussed and different types of numericals will be solved from exercise Pg No. -496	Experimentation of nonlinear current through p-n diode and zener diode.
		Communication System(Unit-X) (Pg No. -545)	BLOCK DIAGRAM,SKY AND SPACE WAVE PROPAGATION	Important points and notes related to topics will be given. Important questions and numerical will be discussed from exercise Pg No. -566	Model showing the essential components of a modern communication system.
Nov Selection Test begins on 16 <sup>th</sup> Nov	11	Electronic devices (unit-IX) Continued(Pg No. -514)	logic gates( OR,AND,NOT,NAND,NOR)	Concepts related to all the subtopics will be discussed and different types of numericals will be solved from exercise Pg No. -536	Experimentation verifying the truth table of basic gates – And, OR and NOT.
		Communication System(Unit-X) Continued(Pg No. -556)	MODULATION and Demodulation	Important points and notes related to topics will be given. Important questions and numerical will be discussed from exercise Pg No. -570	Model demonstration of superposition of wave as modulation and demodulation.
		Revision - Magnetic effect of current(Unit-III) (Pg No. -365)		Previous year's Board's papers will be discussed.	
Dec		Proclamation of result			

**Syllabus for Selection Test examination** – All the units discussed during the academic session ( i.e from Unit – I to Unit – X)

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Signature of the Co-Teachers: 1. Soumitra Maity 2. Maloshree Niyogi

Submitted on: 30.06.23

Academic Co-ordinator: Soumak Chatterjee

PRINCIPAL

VICE PRINCIPAL

*Rishav Chatterjee*

*JKM*  
*10/07/23*





# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan / Syllabus Coverage for the Academic Year 2023-2024



Subject : MATHEMATICS

Term: FIRST

Name of the Subject Co - ordinator : CHAITALI ROY

Name of the books: 1. Mathematics (XII) by S.N.Dey (SND) 2. Mathematics (XII) by M.L.Agarwal (MLA)

No. of Working Days : 08

No. of Periods Available: 10

Class : XII

Section : A,B

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
JANUARY					
FEBRUARY					
MARCH					
APRIL	10	1)Calculus : Relation , mapping or function Limit , Continuity , Differentiability	1)Definition , domain and range of a relation , different types , theorems , kinds of mapping , composition , properties of inverse. Some important limits , theorems on continuity , Derivatives.	Page-30-LAQ-5,6,Page-44-5,7, Page-241- LAQ-2, Page-253-3,Page-261-2	Cardboard, strings of different colours, pins, adhesive.

Teachers are requested to prepare a LESSON PLAN for each Topic monthwise.

Signature of the Co Teachers: 1. Chaitali Roy 2. Indranil Ghosh 3. Sauryajyoti Bhattacharya

15.05.2023

15.5.23

15.5.23

Submitted on : 30.05.2023.

Academic Co-ordinator: Saumak Chatterjee

PRINCIPAL

JKM  
10/07/23

VICE PRINCIPAL

Rishu Sanyal





# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan / Syllabus Coverage for the Academic Year 2023-2024



Subject : MATHEMATICS

Term: FIRST

Name of the Subject Co - ordinator : CHAITALI ROY

Name of the books: 1. Mathematics (XII) by S.N.Dey (SND) 2. Mathematics (XII) by M.L.Agarwal (MLA)

No. of Working Days : 62

No. of Periods Available: 74

Class : XII

Section : A,B

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
MAY	14	1)Calculus: Differentiation, 2)Roll's Lagranges, 3)Algebra, Matrices	1)Definition of derivative, Logarithm, Differentiation, 2)Roll's Lagranges Mean value theorems, 3) Types of matrix and operations on matrices.	Page-301-SAQ-10,Page-301- SAQ-11,Page-134-SAQ- 6,8,14,23,24,LAQ 12,18,19	Cardboard, strings of different colours, pins, adhesive
JUNE	10	1) Trigonometry: Inverse, Circular Functions, 2) Algebra: Determinants 3) Calculus: Second order derivative, Tangent and Normal <b>(1<sup>st</sup> term unit test on 26<sup>th</sup> June, 2023)</b> <b>Syllabus for Unit Test: Matrices, Limit, Continuity.</b>	Expression , co factors 1) To find general and principal value, 2) Minors and co factors, Properties, Multiplication, Cramer's Rule, Wavy curve method 3) Definition and equation on tangent and normal	Page-96-SAQ-8,14,24,Page-97-SAQ-8,4,21,Page-173-VSA-7,11,Page-176-LAQ-5,17,Page-191,LAQ-10,14,15 Page-149-SAQ-149-5,6,7,Page-313,SAQ-8,10,18, LAQ- 4,11,Page-491-SAQ-16,18,30,38.LAQ-15,24,32	Cardboard, strings of different colours, pins, adhesive.
JULY	24	1)Calculus: Tangent and normal continued , Rate of change , maxima and minima , 2) Integration – Basic, Substitution , By parts <b>(Project 1 submission on 05.07.2023)</b>	1)Equation of a normal to a conic and equation of a tangent to a conic , Determination of maxima and minima , significance of rate measure , 2)Important forms of substitution.	Page- 493- LAQ - 8,31,Page-526-VSA-4,Page-527,LAQ - 5,13,Page-465-LAQ-7,10,Page -343-SAQ -8,13,LAQ- 18 , 21,Page-371-LAQ- 26,28	White chart paper, coloured pens, pencil, eraser and thin wires or wool
AUGUST	26	Integration continued Revision, Adjoint and Inverse of a Matrix, Revision	Important forms of substitution, Adjoint and Inverse of Matrix, Orthogonal matrix, Simultaneous Equations by Matrix method, Revision on entire syllabus of Pretest,	Page-215,VSAQ,SAQ,LAQ-11,12,16,17,Revision on entire syllabus of Pretest, From SND and MLA	Cardboard, white paper, geometry box, paper arrow heads, video

Teachers are requested to prepare a LESSON PLAN for each Topic monthwise.  
Kindly mention the chapters included for Terminal Examinations

Signature of the Co Teachers : 1. Chaitali Roy, 2. Indranil Ghosh, 3. Sayajit Bhattacharyya

30.06.23

30.6.23

Submitted on : 30.06.2023

Academic Co-ordinator: Soumak Chatterjee

PRINCIPAL

JKM  
10/07/23

VICE PRINCIPAL

Rudra Kumar



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan / Syllabus Coverage for the Academic Year 2023-2024



Subject : MATHEMATICS

Term: PRE-TEST & SELECTION TEST

Name of the Subject Co - ordinator : CHAITALI ROY

Name of the books: 1. Mathematics (XII) by S.N.Dey (SND) 2. Mathematics (XII) by M.L.Agarwal (MLA)

No. of Working Days : 50

No. of Periods Available: 30

Class : XII

Section : A,B

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
SEPTEMBER	05	1)Calculus : Definite Integral, Limit properties , Definite integrals as an area 2)Differential Equations, 3)Three dimensional plane, Statistics: Binary operation,4)Binomial distribution, <b>(Pre-Test begins from 07.09.2023)</b> <b>Syllabus for Pre Test - Unit 1 ( Ch-1,2,4), Unit 2, Unit 3 (Ch-1,2,3,4,5,6,7,8,9,13,14,15,16)</b>	1)Fundamental theorem , graphical representation 2)Vector equations on different conditions, Bernoulli trials , properties , Identity element, 3)Order, Degree & Linear Differential Equations	1)Page-726- 2,4,5,Page-826-SAQ-12,17, Page-66-LAQ-2,6, 2)Page- 426, 441-LAQ, 454-SAQ  From SND	Geometrical instruments, thin wires, sketch pens, chart paper, and graph papers
OCTOBER	16	1)Vector, Direction ratios and cosines 2)Calculus : Definite Integral , Limit properties , Definite integrals as an area 3)Three dimensional plane Statistics: Binary operation , Binomial distribution Contd.... <b>(Project 2 submission on 31.10.2023)</b>	Addition , subtraction , multiplication of vectors, product of 2 vectors. 1)Fundamental theorem , graphical representation 2)Vector equations on different conditions, Bernoulli trials, properties, Identity element Contd....	1)Page- 406- SAQ-10,12,Page-407-LAQ-24,26, Page-547-SAQ-6 ,8,LAQ-7,10 2)Page-726-2,4,5,Page-826- SAQ-12,17,Page-66-LAQ- 2,6 From SND	Cardboard, white paper, geometry box, paper arrow heads, video and power point presentation
NOVEMBER	09	Three dimensional Plane, LPP, Probability Revision on full syllabus. <b>Selection Test begins from 16<sup>th</sup> Nov, 2023</b> <b>Syllabus for Selection Test – Unit 1,2,3,4,5,6</b>	1)Vector equations on different conditions	1)Page-726- 2,4,5, Page-826- SAQ-12,17,Page-66-LAQ-2,6 From SND	Two pieces of plywood, a thin wooden rod with nuts and bolts fixed on both sides, three pieces of wires, pen or pencil, geometry box and a pair of dice.
DECEMBER					

Teachers are requested to prepare a LESSON PLAN for each Topic monthwise.

Signature of the Co Teachers: 1. *Chaitali Roy* 2. *Indranil Ghosh* 3. *Soumyajyoti Chatterjee*  
15.05.2023 15.5.23 15.5.23

Submitted on : 30.05.2023 .

Academic Co-ordinator: *Soumyajyoti Chatterjee*

PRINCIPAL.

*JKK*  
10/07/23

VICE PRINCIPAL

*Rishu Jindal*



**ST. LAWRENCE HIGH SCHOOL**  
27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019



Subject: **BIOLOGICAL SCIENCES**

Term: **Pre Test**

Name of the Subject Co-ordinator: **Ms. Shaista Ahmed**

No. Of Working Days: **72**

No. Of Periods Available: **32**

Class: **12**

Section: **A**

Name of the Book: **BIOLOGY – Textbook for Class XII (National Council of Educational Research and Training) [Bk Btk =Abbreviation]**

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
APRIL	10	<b>CHAPTER 1- REPRODUCTION IN ORGANISMS [Bk Btk Pgs 3-18]</b> <b>CHAPTER-2 SEXUAL REPRODUCTION IN FLOWERING PLANTS [Bk Btk Pgs 19-41]</b>	Asexual reproduction, sexual reproduction, pre- and post-fertilization events. Structure and details of parts of flower, Pre fertilization – Structures and events, Double fertilization, Post fertilization, Post fertilization –Events and structures; Apomixis and Polyembryony.	Explanation on the topics and notes given on Modes of Asexual Reproduction and types of syngamy [Bk Btk Pgs 3-18] Explanation of the topics were done. Notes on megasporogenesis, microsporogenesis, types of endosperm and flowchart of male and female gametophyte development was given. [Bk Btk Pgs 19-41]	Chart on types of syngamy Labelled drawings of Male and female gametophyte. Demonstration of development of male gametophyte using pollen grains of periwinkle.
MAY	13	<b>CHAPTER-3 HUMAN REPRODUCTION [Bk Btk Pgs 42-56]</b> <b>CHAPTER- 4 REPRODUCTIVE HEALTH [Bk Btk Pgs 57-66]</b>	Male and female reproductive structures and Gametogenesis, Menstrual cycle Fertilization and Implantation, Pregnancy and Embryonic development, Parturition and Lactation Reproductive health –Problems and Strategies, Population explosion, medical termination of Pregnancy, Infertility and Sexually Transmitted Diseases.	Explanation of the concepts were done and Flowcharts for Spermatogenesis and Oogenesis was done. Diagrams of human testis and ovaries were given . Notes were given on hormonal control of Parturition and Lactation. [Bk Btk Pgs 42-56] Explanation of the topics was done. Definitions of Infertility and MTP were given and causes were discussed. Notes given on Birth Control Measures. [Bk Btk Pgs 57-66]	Chart on Menstrual cycle vs Estrous cycle , Drawings of T.S of testis and ovaries. Permanent slides of TS of testis and ovaries
JUNE	09	<b>CHAPTER -5 PRINCIPLES OF INHERITANCE AND VARIATION [Bk Btk Pgs 69-93]</b> <b>CHAPTER 06: MOLECULAR BASIS OF INHERITANCE [Bk Btk Pgs 95-125]</b>	Mendelism. Non - mendelism, Sex determination, Linkage, Mutation and Genetic Disorders The DNA – Search for Genetic material, RNA world, DNA Replication, Protein Synthesis – Transcription, Translation, genetic code and Regulation of Gene Expression, Human Genome Project, DNA Fingerprinting	Explanation of the topics and Notes were given on Incomplete Dominance Dominance, Multiple Allelism, Pleiotropy, Polygenic inheritance. [Bk Btk pgs 69-94] Explanation of the topic and Notes given on DNA as the genetic material, DNA Replication, Protein synthesis, Gene expression, Human Genome Project, DNA fingerprinting , Transcription, Translation, Genetic Code and Lac Operon . [Bk Btk pgs 95-125]	Labelled diagrams of process of replication and protein synthesis.

Teachers are requested to prepare a LESSON PLAN for each Topic to be taught. The Lesson plans are to be submitted along with the monthly planner.

Signature of Teacher: 1. *Shreya Basu* , 2. *Shaista Ahmed*

PRINCIPAL:

*JKK*  
*10/07/23*

Submitted on: 30.06.2023

Academic Co-ordinator: *Soumika Chatterjee*  
VICE PRINCIPAL:

*Rishu Singh*



**ST. LAWRENCE HIGH SCHOOL**  
27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019



Subject: BIOLOGICAL SCIENCES Term: Pre Test and Selection Test

Name of the Subject Co-ordinator: Ms. Shaista Ahmed

No. Of Working Days: 72

No. Of Periods Available: 34+03

Class: 12

Section: A

Name of the Book: BIOLOGY – Textbook for Class XII (National Council of Educational Research and Training) [Bk BTK = Abbreviation]

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
JULY	20	<u>CHAPTER 07-</u> EVOLUTION [Bk BTK pgs 126-142]  <u>CHAPTER 8-</u> HUMAN HEALTH AND DISEASES [Bk BTK Pgs 143-164]  <u>TOPIC OF BIOLOGICAL SCIENCE PROJECT GIVEN</u>	Origin of life, Evidences of Evolution, Adaptive radiation, biological evolution, Mechanism of Evolution- Hardy Weinberg Principle, Evolution of Man.  Common Diseases in Humans, AIDS and Cancer Immunity and it's types, Immune system in the body	Explanation and discussion on: Origin of life, Evidences of Evolution, Adaptive radiation, Mechanism of Evolution- Hardy Weinberg Principle and Evolution of man [Bk BTK Pgs 126-142]  Explanation and notes to be given on topics- Common diseases in Humans and Causes and Symptoms of AIDS and Cancer [Bk BTK Pgs 143-164]  <u>GUIDELINES AND DETAILS OF THE PROJECT WERE GIVEN TO THE STUDENTS</u> <u>PROJECT WILL BE COMPLETED AS HOLIDAY HOME WORK</u>	Chart of Geological time scale and Evolution of man.  Chart on Types of Cancer
AUGUST	14	<u>CHAPTER 9</u> STRATEGIES FOR ENHANCEMENT IN FOOD PRODUCTION [Bk BTK Pgs 165-178] <u>CHAPTER 10-</u> MICROBES IN HUMAN WELFARE [Bk BTK Pgs 179-189] <u>PRE TEST EXAMINATION STARTS FROM -17.08.22</u>	Animal Husbandry, Dairying, Animal Breeding- Definition and it's types, Apiculture, Fisheries, Plant Breeding and Hybridization, bio fortification, Single cell protein and Tissue culture.  Microbes in Household products, Industrial products in Biogas production and in Sewage treatment, Biocontrol agents and Microbes in Bio fertilizers.	Explanation and Discussion On the topics Notes on types of breeding, SCP and Bio fortification and Tissue culture were given. [Bk BTK pgs 165-178] Explanation of the topics- Microbes in Household products, Industrial products in Biogas production and in Sewage treatment, Bio control agents and Microbes in Bio fertilizers. Notes given on Bio fertilizers and Bio control agents. [Bk BTK Pgs 179-189]	Tabular chart on types of breeding Labelled diagrams of Biogas production and Sewage treatment.
SEPTEMBER	<u>Pre test begins from 07.09.23</u>	SYLLABUS OF PRE TEST CHAPTERS- 1,2,3,4,5,6,7,8,9 and 10	REVISION OF PRE TEST CHAPTERS- 1,2,3,4,5,6,7,8,9 and 10	MCQs, SAQs and LAQs discussed	Worksheet and assignments
	03	<u>CHAPTER 11:BIOTECHNOLOGY: PRINCIPLES AND PROCESSES</u> [Bk BTK Pgs 190-205]	Principles of Biotechnology, tools of Recombinant DNA technology, Process of Recombinant DNA technology.	Explanation of the topics was done. Notes on different types of vectors were given. Flow charts were given on the process of DNA technology and gel electrophoresis. [Bk BTK pgs 190-205]	Labelled diagram of of Gel electrophoresis.

Teachers are requested to prepare a LESSON PLAN for each Topic to be taught. The Lesson plans are to be submitted along with the monthly planner.

Signature of Teacher: *Shreya Basu* 2) *Shaista Ahmed*

PRINCIPAL:

*JKM*  
*10/07/23*

Submitted on: 30.06.2023

Academic Co-ordinator: *Sourmak Chatterjee*  
VICE PRINCIPAL:

*Rohan Ghosh*





# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019



Subject: BIOLOGICAL SCIENCES

Term: Selection Test

Name of the Subject Co-ordinator: Ms. Shaista Ahmed

No. Of Working Days: 36

No. Of Periods Available: 19

Class: 12

Section: A

Name of the Book: BIOLOGY – Textbook for Class XII (National Council of Educational Research and Training) [Bk Btk = Abbreviation]

MONTH	NO. OF PERIODS	LESSON	TOPICS COVERED	CLASS WORK	TEACHING AIDS
OCTOBER	11	<u>CHAPTER 12: BIOTECHNOLOGY AND IT'S APPLICATION</u> [Bk BTK 207-215]  <u>CHAPTER 13: ORGANISMS AND POPULATION</u> [Bk BTK pgs 219-239]  <u>CHAPTER 14: ECOSYSTEM</u> [Bk BTK pgs 241-257]	Biotechnological applications in Agriculture-Bt cotton; pest resistant plants; Biotechnological applications in medicine Gene therapy, Transgenic animals and ethical issues, Bio piracy Organisms and it's environment, Adaptation, Population attributes and types of Population interactions Ecosystem –Structure and function; Productivity; Energy flow and energy pyramids	Explanation of the topics and Notes were given on production of Bt cotton and insulin using <i>E.coli</i> ,Gene therapy, Transgenic animals ,Bio piracy. [Bk BTK pgs 207-215]  Explanation of the topics- Population interactions. Notes were given on Population interactions. Explanation of structure and function of Ecosystem, Notes of Energy flow and energy pyramids. [Bk BTK pgs 219-239] Explanation of Ecological succession. Nutrient cycling, Ecosystem services was done and Notes were given on Stages of Succession. [Bk BTK pgs 241-257]	Labelled diagram of insulin production by <i>E. coli</i>  Tabular Chart of population interactions.  Charts on food web and food chain
NOVEMBER	08	<u>CHAPTER 15: BIODIVERSITY AND CONSERVATION</u> [Bk BTK 258-269] <u>CHAPTER 16 : ENVIRONMENTAL ISSUES.</u> [Bk BTK Pgs 269-286]	Biodiversity and Conservation strategies – In situ and Ex situ Conservation Radioactive wastes, Greenhouse Effect and Global Warming ,Ozone Depletion, Degradation by improper Utilization and Maintenance. Deforestation	Explanation of the topics and Notes were given on loss of Biodiversity and Comparison of In situ and Ex situ Conservation. . [Bk BTK pgs 258-269] Explanation of the topics was done. Notes were given on Ozone hole Depletion and Greenhouse effect and Global Warming. [Bk BTK pgs 269-286]	Charts on types of conservation strategies Labelled diagram of Global warming and Greenhouse effect
	Selection test begins from 16.11.23	<u>SYLLABUS COMPLETED</u>	<u>REVISION OF THE SYLLABUS</u> <u>CHAPTERS :1,2,3,4,5,6,7,8,9,10,11,12,13,14,15 and 16</u>	MCQs, SAQs and LAQs discussed	Worksheet and assignments
DECEMBER	-	-	-	-	-

Teachers are requested to prepare a LESSON PLAN for each Topic to be taught. The Lesson plans are to be submitted along with the monthly planner.

Signature of Teacher: 1) Shreya Banerjee 2) Shaista Ahmed

PRINCIPAL:

JTK  
10/07/23

Submitted on: 30.06.2023

Academic Co-ordinator: Soumak Chatterjee  
VICE PRINCIPAL:

Rishan Chatterjee



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan for the Academic Year 2023-2024



Subject: Computer Science

Term: Pre Test

Name of the Subject Co-ordinator: Mr. Soumak Chatterjee

No. of Working Days: 72

No. of Periods Available: 59

Class: 12

Section: A

Text Book: Rudiments of Computer Science Volume II

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
APRIL	10	Introduction to Database HTML Concept of relationships	1:1, 1:N, N:M relationships, Functional dependency, IP (Page:2-1-1 tp 2-7-1) Addressing, Database Constraints, Terms associated with Data Transmission. (Page:2-8-1 tp 10-1-3)	Metadata, Use of Modem, Set operations, Client Server Architecture, Parallel Transmission, Serial Transmission. TCP/IP model, IP addressing, Domain name system, Various data models, data dictionary, HTML tags, WAN, MAN.	All basic logic gates symbols and Truth table
MAY	14	Networking Introduction to Database	Components of a network, Network Topologies, LAN protocols, Switching techniques. (Page:2-4-1 tp 2-6-1)	HTML, Synchronous and Asynchronous transmission modes, Guided media for network transmission, Coaxial Cable, Fibre Optic, Unguided media, TCP/IP, Topologies, Internet & its Applications. DNS, URL, Security Protocol, Proxy Server, DBMS, DBA, 3 Schema Architecture, Advantages & Disadvantages of DBMS.	A model to demonstrate various types of networking
JUNE	11	Relational Algebra Structured Query Language	Union, Cartesian Product, Database Operations, Selection, Projection. (Page:2-9-1 tp 2-9-29)	Natural Join and Outer Join. DML, DCL, DQL Commands, 1NF, 2NF, 3NF, BCNF, Use of CREATE, USE, ALTER, DROP, INSERT, SELECT, UPDATE, DELETE. Laboratory copy Topic Discussion	Lab Activity
JULY	24	Sequential Logic Circuit	Concept of Synchronous and Asynchronous circuits, Triggering, Flip Flops, Counters. (Page:2-12-1 tp 2-12-20)	D, JK, Master Slave Flip Flops: Diagram with Truth tables. Ring counter and Johnson counter diagrams. SR Flip flops, Decade Counter, Up/Down counter, Ripple counter, SISO, SIPO, PISO, PIPO. <b>Project Topic Discussion</b>	A model to demonstrate various types of Sequential Logic Circuits

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. Soumak chatterjee 2. Phalguni Pramanik.

Submitted on: 30/06/2023

Academic Co-ordinator: Soumak chatterjee

PRINCIPAL

JKS  
10/07/23

VICE PRINCIPAL

Rishu Singh



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan for the Academic Year 2023-2024

**Subject:** Computer Science

**Term:** Pre Test & Test

**Name of the Subject Co-ordinator:** Mr. Soumak Chatterjee

**No. of Working Days:** 72 (Pre test) & 49 (Test)

**No. of Periods Available:** 47

**Class:** 12

**Section:** A

**Text Book:** Rudiments of Computer Science Volume II

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
AUGUST	25	Programming in C: Pointers Data File Handling in C	Pointers & Arrays, Pointer to a Pointer, Pointers & Structures, Pointers & Functions. Files, Opening & Closing of Files, Random access to Files, Linked List, Stack & Queue, Application of Linked lists, Queue using arrays. (Page:2-13-1 tp 2-15-47)	Program to show how a pointer points to an array, Program to use a malloc() function for assigning memory to array, Program on array of pointers.Private, Public and Protected Class, Object creation and Accessing members of a class Array of pointers, Pointers and Functions, Pointers and Structures. Data Structure and ADT, Self Referential Structure, Applications of Linked List, Stack & Array, Calloc() & Malloc(), Infix to Postfix Conversion. Algorithms, Difference between Stack & Queue. Insert a node and delete a node from a linked list.	Lab Activity
SEPTEMBER	03	Programming in C: Pointers	Revision on Data Structure	Operations of Linked list, Stack and Queue.	Lab Activity
<b>PRE-TEST BEGINS FROM 07.09.2023</b>					
<b>SYLLABUS: An Introduction to Networking, Network Components, Network Architecture and Topologies, MAN &amp; WAN, Internet &amp; its Applications, HTML, An Introduction to DBMS, The Relational Model and Normalisation, Relational Algebra, Structured Query Language, Sequential Circuits, Programming in C: Pointers</b>					
OCTOBER	11	Programming in C Introduction to Object Oriented Programming	Implementation of OOPs using C++, Branching and looping in C++. (Page:2-15-1 tp 2-16-34)	Object, Class, Abstraction, Encapsulation, Inheritance, Polymorphism, Standard Input/ Output Members of a Class, Constructor and Destructor.	Lab Activity
NOVEMBER	08	Data Structure & Revision	Concept of Constructors and Destructors, Pointer variables, Command line arguments, I/O file handling in C. (Page:2-16-1 tp 2-16-34)	Algorithms for realisation of stack using array. Prefix notification, Infix to Postfix Conversion, Revision	Lab Activity
<b>SELECTION TEST BEGINS FROM 16.11.2023</b> <b>CHAPTERS: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 (Entire Syllabus as per WBCHSE)</b>					

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. Soumak Chatterjee 2. Phalguni Pramanik.

Submitted on: 30/06/2023

Academic Co-ordinator: Soumak Chatterjee

PRINCIPAL

VICE PRINCIPAL

Rohan Chatterjee



**ST. LAWRENCE HIGH SCHOOL**  
27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019  
Session Plan / Syllabus Coverage for the Academic Year 2023-2024



Subject : VALUE EDUCATION

Term: PRE-TEST

Name of the Subject Co - ordinator : CHAITALI ROY

No. of Working Days : 08

No. of Periods Available: 01

Class : XII

Section : A,B

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
JANUARY					
FEBRUARY					
MARCH					
APRIL	1	Personality skills : Healthy relationships	Building relationship, qualities of a healthy relationship, effective communication, developing friendships : A Valuable possession Your friend is a reflection of yourself, Being a friend vs being friendly, teacher student relationship	Characteristics of friendships, what destroys friendships, how to be a great friend, points for reflection, discussion and action.	Quotations, chart papers, coloured pens.

Teachers are requested to prepare a LESSON PLAN for each Topic monthwise.

Signature of the Co Teachers: 1. *Chaitali Roy* 2. *Pralax Kabi*  
17.05.2023 17.05.2023

PRINCIPAL.

*JFM*  
10/07/23

Submitted on : 17.05.2023

Academic Co-ordinator: *Soumak Chatterjee*

VICE PRINCIPAL

*Rishu Jit*





# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan / Syllabus Coverage for the Academic Year 2023-2024



Subject : VALUE EDUCATION

Term: PRE-TEST

Name of the Subject Co - ordinator : CHAITALI ROY

No. of Working Days : 62

No. of Periods Available: 11

Class : XII

Section : A,B

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
MAY	2	Time management Discipline Setting priorities.	Advantages of Time management Advantages of being disciplined The A-B-C-D-E method of priorities How to focus on your priorities	Why is it important to set your priorities? What are your A-B-C-D-E priorities at this stage of life?	Quotations, chart papers, coloured pens.
JUNE	1	Building your character.  <u>(1<sup>st</sup> term unit test on 19.06. 2023)</u> <u>Syllabus for Unit Test: Reflective questions.</u>	What is character? Nothing works without character. Don't follow others blindly. Your reputation	1)Give the names of two men and women whom you consider to be persons of character. 2)Do you have "role-models"? Who are they? Why are they your " role-models"? 3)How can you compare character to the construction of a building?	Quotations, chart papers, coloured pens and markers.
JULY	4	Making a difference, positive attitude, doing good for others. Spirit of tolerance. <u>Project 1 submission on 05.07.2023)</u>	Simple ways to make a difference in the world Meaning of spirit of tolerance Definition of tolerance given by UNESCO Aim of tolerance How does difference of religion affect us?	Name two personalities who have made a difference in the world and write about their contribution. Cite a few examples of intolerance you notice in the city in which you live.	Quotations, chart papers, coloured pens and markers
AUGUST	4	Dignity of work, HIV, AIDS awareness, Overcoming loneliness	What is meant by dignity of labour? How has caste system affected our attitude to work? HIV,AIDS, symptoms, modes of transmission, myths and facts, plight of HIV/AIDS infected, Prevention What is loneliness, causes of loneliness, positive ways of overcoming loneliness	"Work is worship" - Elucidate Prepare a poster on AIDS awareness Experience of loneliness, hidden benefits of loneliness,	Quotations, chart papers, coloured pens and markers

Teachers are requested to prepare a LESSON PLAN for each Topic monthwise.

Signature of the Co Teachers : 1. Chaitali Roy 2. Pralay Kabi  
17.05.2023 17.05.2023

Submitted on : 17.05.2023

Academic Co-ordinator: Saumak Chatterjee

PRINCIPAL

JKM  
10/07/23

VICE PRINCIPAL

Rohan Jindal



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan / Syllabus Coverage for the Academic Year 2023-2024



Subject : VALUE EDUCATION

Term: PRE-TEST & SELECTION TEST

Name of the Subject Co - ordinator : CHAITALI ROY

No. of Working Days : 50

No. of Periods Available: 05

Class : XII

Section : A,B

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
SEPTEMBER	00	<u>Pre-Test begins from 07.09.2023</u>	-----	-----	-----
OCTOBER	03	Stop worrying, recognising depression <u>(Project 2 submission on 31.10.2023)</u>	What is worry? How to overcome worry? What is depression? Causes of depression. Signs and symptoms of depression. Treatment of depression.	What are people worried about? Points for reflection, discussion and action	Quotations, chart papers, coloured pens and markers
NOVEMBER	02	Dealing with discouragement. Hardwork and dedication Judgement for genuinity <u>Selection Test begins from 16.11, 2023</u> <u>Syllabus for Selection Test - Reflective questions</u>	Signs of discouragement, Causes of discouragement, Ways to overcome discouragement, selfless service for others, responsibility	Collect at least five quotes on dealing with discouragement. Compose a prayer for a friend who is going through some discouragement in life. Prepare a time table for the day which you should follow before higher secondary examination	Quotations, chart papers, coloured pens and markers.
DECEMBER					

Teachers are requested to prepare a LESSON PLAN for each Topic monthwise.

Signature of the Co Teachers : 1. Chaitali Roy 2. Prislay Kabi  
17.05.2023 17.05.2023

Submitted on : 17.05.2023

Academic Co-ordinator: Soumya Chatterjee

PRINCIPAL

JKH  
10/07/23

VICE PRINCIPAL

Rohan Mishra