

# Monthly Syllabus for the session 2024-25 Grade XI (CAIE)

## Biology

MONTH	TOPIC	MODE OF ASSESSMENT	REINFORCEMENT PORTION	ADDITIONAL RESOURCES
APRIL	1.Cell Structure	ECQ + Paper solving		<a href="http://www.biology.arizona.edu/cell_bio/tutorials/cells/cells.html">www.biology.arizona.edu/cell_bio/tutorials/cells/cells.html</a> <a href="http://www.exo.net/~pauld/summer_institute/Nano%20Institute/Day1%20Scale/SM_Lesson2Student.pdf">www.exo.net/~pauld/summer_institute/Nano%20Institute/Day1%20Scale/SM_Lesson2Student.pdf</a>
MAY	2.Biological molecules	ECQ+ Paper solving		<a href="http://www.biotopics.co.uk/as/lipidcondensation.html">www.biotopics.co.uk/as/lipidcondensation.html</a>
<b>SUMMER</b>	<b>BREAK</b>		<b>SUMMER</b>	<b>BREAK</b>
JUNE	3.Enzymes	ECQ+ Paper solving	Revision for UT1	<a href="http://www.saps.org.uk/secondary/teaching-resources/293-student-sheet-24-microscale-investigations-with-catalase">www.saps.org.uk/secondary/teaching-resources/293-student-sheet-24-microscale-investigations-with-catalase</a>
JULY	4.Cell membrane and transport  5.The mitotic cell cycle:	ECQ+ Paper solving  ECQ+ Paper solving		<a href="http://www.wisc-online.com/learn/natural-science/life-science/ap1101/construction-of-the-cell-membrane">www.wisc-online.com/learn/natural-science/life-science/ap1101/construction-of-the-cell-membrane</a>  <a href="http://www.cellsalive.com/cell_cycle_js.htm">www.cellsalive.com/cell_cycle_js.htm</a> and <a href="http://www.biology.arizona.edu/cell_bio/tutorials/cell_cycle/mitosis_movie.html">www.biology.arizona.edu/cell_bio/tutorials/cell_cycle/mitosis_movie.html</a>
AUGUST	5.The mitotic cell cycle  6.Nucleic acid and Protein synthesis		Revision for Half yearly	<a href="http://www.yourgenome.org/facts/what-does-dna-do">www.yourgenome.org/facts/what-does-dna-do</a>

### HALF YEARLY SYLLABUS: chapters: 1 to 5

- 1.Cell Structure
- 2.Biological molecules
3. Enzymes
4. Cell membrane and transport
- 5.The mitotic cell cycle:

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### ESL

MONTH	TOPIC	MODE OF ASSESSMENT	REINFORCEMENT PORTION	ADDITIONAL RESOURCES
APRIL	UNIT 1.1 SYLLABUS OUTLINE	Formative	Key skills Content of the syllabus Benefits of EGP  How assessment is done  Type of questions needed to focus on	<a href="https://www.cambridgeinternational.org/programmes-and-qualifications/cambridge-igcse-EGP-8021/past-papers">https://www.cambridgeinternational.org/programmes-and-qualifications/cambridge-igcse-EGP-8021/past-papers</a>
MAY	UNIT 1.2 CORE COURSE KNOWLEDGE	Formative	Learn to write for a specific purpose and audience  Break down essay questions  Different approach of writing  Select style of writing  Identifying common errors	<a href="https://www.cambridgeinternational.org/programmes-and-qualifications/cambridge-igcse-EGP-8021/past-papers">https://www.cambridgeinternational.org/programmes-and-qualifications/cambridge-igcse-EGP-8021/past-papers</a>
<b>SUMMER</b>			<b>SUMMER</b>	<b>BREAK</b>
JUNE	UNIT 1.3 READING COMPREHENSION	Formative	Observe the work of other writers  Set a purpose for your reading  Use close reading and other strategies  Apply critical comprehension skills to text  Demonstrate reading comprehension through both logical reasoning and analysis of prose	<a href="https://www.cambridgeinternational.org/programmes-and-qualifications/cambridge-igcse-EGP-8021/past-papers">https://www.cambridgeinternational.org/programmes-and-qualifications/cambridge-igcse-EGP-8021/past-papers</a>

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JULY	UNIT 2.1 SUMMARISING AND EXPLAINING WHAT YOU READ	Formative  UT 2	<p>How information is organized to achieve a purpose</p> <p>How to put information into your own words</p> <p>Strategies for summarizing information</p> <p>Using expository skills to develop arguments</p>	<a href="https://www.cambridgeinternational.org/programmes-and-qualifications/cambridge-igcse-EGP-8021/past-papers">https://www.cambridgeinternational.org/programmes-and-qualifications/cambridge-igcse-EGP-8021/past-papers</a>
AUGUST	UNIT 2.2: PLANNING AND ORGANISING	Formative	<p>Strategies to generate ideas</p> <p>How to generate ideas in a timed writing situation</p> <p>Organizing ideas before drafting</p> <p>Analyse ,interpret words in a question to determine its scope and limits</p>	<a href="https://www.cambridgeinternational.org/programmes-and-qualifications/cambridge-igcse-EGP-8021/past-papers">https://www.cambridgeinternational.org/programmes-and-qualifications/cambridge-igcse-EGP-8021/past-papers</a>
<b>HALF YEARLY SYLLABUS</b> Paper 12 composition Paper 22 comprehension				

# Monthly Syllabus for the session 2024-25 Grade XI (CAIE)

## Accounting

MONTH	TOPIC	MODE OF ASSESSMENT	REINFORCEMENT PORTION	ADDITIONAL RESOURCES
APRIL	1.2.1 The accounting system 1.3.1 Capital and revenue income and expenditure	Class Test-1, Class Test-2 Unit Test-1, Unit Test-2 Half Yearly Exams		<a href="http://www.cambridgeinternational.org">www.cambridgeinternational.org</a> Past Paper and Worksheet
MAY	1.3.2 Changing asset values 1.4.1 Reconciliation and verification 1.4.2 Trial balance 1.4.3 Bank reconciliation statements			<a href="http://www.cambridgeinternational.org">www.cambridgeinternational.org</a> Past Paper and Worksheet
<b>SUMMER</b>	<b>BREAK</b>		<b>SUMMER</b>	<b>BREAK</b>
JUNE	1.4.4 Control accounts 1.5.1 Adjustments to draft financial statements 1.5.2 Sole traders		<b>Class Test-1</b>	<a href="http://www.cambridgeinternational.org">www.cambridgeinternational.org</a> Past Paper and Worksheet
JULY	1.5.3 Partnerships 1.5.4 Limited companies		<b>Unit Test-1 19-07-2024 FRIDAY</b>	<a href="http://www.cambridgeinternational.org">www.cambridgeinternational.org</a> Past Paper and Worksheet
AUGUST	1.6.1 Users of accounting information 1.6.2 Calculation and evaluation of ratios			<a href="http://www.cambridgeinternational.org">www.cambridgeinternational.org</a> Past Paper and Worksheet

### Revision for Half Yearly Examination

- 1.2.1 The accounting system
- 1.3.1 Capital and revenue income and expenditure
- 1.3.2 Changing asset values
- 1.4.1 Reconciliation and verification
- 1.4.2 Trial balance
- 1.4.3 Bank reconciliation statements
- 1.4.4 Control accounts
- 1.5.1 Adjustments to draft financial statements
- 1.5.2 Sole traders
- 1.5.3 Partnerships
- 1.5.4 Limited companies
- 1.6.1 Users of accounting information
- 1.6.2 Calculation and evaluation of ratios

# Monthly Syllabus for the session 2024-25 Grade XI (CAIE)

## Business Studies

MONTH	TOPIC	MODE OF ASSESSMENT	REINFORCEMENT PORTION	ADDITIONAL RESOURCES
APRIL	1.1.1 The nature of business activity 1.1.2 The role of entrepreneurs and intrapreneurs	Class Test-1, Class Test-2 Unit Test-1, Unit Test-2 Half Yearly Exams		<a href="http://www.cambridgeinternational.org">www.cambridgeinternational.org</a> Past Paper and Worksheet
MAY	1.1.3 Business plans 1.2.1 Economic sectors			<a href="http://www.cambridgeinternational.org">www.cambridgeinternational.org</a> Past Paper and Worksheet
			<b>SUMMER</b>	<b>BREAK</b>
JUNE	1.2.2 Business ownership 1.3.1 Measurements of business size 1.3.2 Significance of small businesses 1.3.3 Business growth		Class Test-1	<a href="http://www.cambridgeinternational.org">www.cambridgeinternational.org</a> Past Paper and Worksheet
JULY	1.4.1 Business objectives in the private sector and public sector 1.4.2 Objectives and business decisions 1.5.1 Business stakeholders 1.5.2 The relative importance and influence of stakeholders on business activities		Unit Test-1 23-07-2024, TUESDAY	<a href="http://www.cambridgeinternational.org">www.cambridgeinternational.org</a> Past Paper and Worksheet

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AUGUST	2.1.1 Purpose and roles of HRM 2.1.2 Workforce planning 2.1.3 Recruitment and selection 2.1.4 Redundancy and dismissal 2.1.5 Morale and welfare 2.1.6 Training and development		Class Test-2	<a href="http://www.cambridgeinternational.org">www.cambridgeinternational.org</a> Past Paper and Worksheet
<p><b>Revision for Half Yearly Examination</b></p> <ul style="list-style-type: none"> <li>1.1.1 The nature of business activity</li> <li>1.1.2 The role of entrepreneurs and intrapreneurs</li> <li>1.1.3 Business plans</li> <li>1.2.1 Economic sectors</li> <li>1.2.2 Business ownership</li> <li>1.3.1 Measurements of business size</li> <li>1.3.2 Significance of small businesses</li> <li>1.3.3 Business growth</li> <li>1.4.1 Business objectives in the private sector and public sector</li> <li>1.4.2 Objectives and business decisions</li> <li>1.5.1 Business stakeholders</li> <li>1.5.2 The relative importance and influence of stakeholders on business activities</li> <li>2.1.1 Purpose and roles of HRM</li> <li>2.1.2 Workforce planning</li> <li>2.1.3 Recruitment and selection</li> <li>2.1.4 Redundancy and dismissal</li> <li>2.1.5 Morale and welfare</li> <li>2.1.6 Training and development</li> <li>2.1.1 Purpose and roles of HRM</li> <li>2.1.2 Workforce planning</li> <li>2.1.3 Recruitment and selection</li> <li>2.1.4 Redundancy and dismissal</li> <li>2.1.5 Morale and welfare</li> <li>2.1.6 Training and development</li> </ul>				

# Monthly Syllabus for the session 2024-25 Grade XI (CAIE)

## Probability & Statistics

MONTH	TOPIC	MODE OF ASSESSMENT	REINFORCE -MENT PORTION	ADDITIONAL RESOURCES
APRIL	1.Data Presentation & Interpretation 1.1 Statistical Measures 1.2 Representation of Data 1.3 Working with Data	Class Test – 1 (Written Test) Max Marks - 10 The following chapters are included:		Worksheets Past papers Important Questions.
MAY	2.Measures of central tendency 2.1 The mode and Modal class 2.2 The Mean 2.3 The median	Class Test – 2 (Written Test) Max Marks - 10		Worksheets Past papers Important Questions
<b>SUMMER BREAK -FROM 18-03-2024 TO 12-06-2024</b>				
JUNE	<b>3.Measures of Variations</b> <b>3.1 The Range</b> <b>3.2 The interquartile range and Percentiles</b> <b>3.3 Variance and Standard deviations</b>	Class Test – 3 (Written Test) Max Marks - 10 The following chapters are included:		Worksheets Past papers Important Questions
JULY	4.Probability 4.1 Experiments. Events and outcomes. 4.2 Mutually exclusive events. And the addition law. 4.3 Independent events and the multiplication law. 4.4 Conditional probability. 4.5 Dependent events and conditional Probability.	UT-1 (Written Test) Max Marks – 20.	<b>UT-1 (26TH July)</b> <b>1. Representation of data.</b> <b>2.Measures of central tendency</b> <b>3.Measures of Variations</b>	Worksheets Past papers Important Questions

## Monthly Syllabus for the session 2024-25 Grade XI (CAIE)

	<p>5. Permutations and Combinations 5.1 The factorial function. 5.2 permutations. 5.3 combinations. 5.4 problem solving. 6. Probability Distributions 6.1 Discrete random variables 6.2 Probability Distributions 6.3 Expectation and variance of a discrete random variable.</p>	<p>Class Test – 4 (Written Test) Max Marks - 10 The following chapters are included:</p>		<p>Worksheets Past papers Important Questions</p>
<b>AUGUST</b>	<p><b>HALF YEARLY SYLLABUS</b> Statistics 13th sept 9709/52 1. Representation of data. 2. Measures of central tendency 3. Measures of Variations 4. Probability 5. Permutations and Combinations</p>			
<p><b>Disclaimer-The dates and assessment schedules are tentative and subject to change</b></p>				



# Monthly Syllabus for the session 2024-25

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### Subject-Pure Mathematics -1

MONTH	TOPIC	MODE OF ASSESSMENT	REINFORCEMENT PORTION	ADDITIONAL RESOURCES
APRIL	1. Algebra & Functions 1.1 Quadratics. 1.2 Inequalities & Simultaneous Equations 1.3 Functions 1.4 Graphs of Functions 1.5 Transformations of Functions 1.6 Combinations of Transformations 1.7 Modelling with Functions	Class Test – 1 (Written Test) Max Marks - 10 The following chapters are included: 1.Algebra and functions.		Worksheets Past papers Important Questions.
MAY	2. Coordinate Geometry 2.1 Equation of a Straight Line 2.2 Circles	Class Test – 2 (Written Test) Max Marks - 10 The following chapters are included: 1.Algebra and functions.geometry.		Worksheets Past papers Important Questions
<b>SUMMER</b>	<b>BREAK</b>		<b>SUMMER</b>	<b>BREAK</b>
JUNE	3. Trigonometry 3.1 Basic Trigonometry 3.2 Trigonometric Functions 3.3 Circular Measure (Radians) 3.4 Trigonometric Equations 3.5 Modelling with Trigonometric Functions	Class Test – 3 (Written Test) Max Marks - 10 The following chapters are included: 2. Coordinate geometry.		Worksheets Past papers Important Questions
JULY	4. Sequences & Series 4.1 Binomial Expansion 4.2 Arithmetic Progressions 4.3 Geometric Progressions 4.4 Further Sequences & Series	UT-1 (5 TH July) (Written Test) Max Marks –20	UT-1 (5 TH July) Pure math-1 1. Algebra & Functions 2. Coordinate Geometry	Worksheets Past papers Important Questions

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AUGUST	5. Differentiation 5.1 Differentiation 5.2 Applications of Differentiation	Class Test – 4 (Written Test) Max Marks - 10 The following chapters are included:		Worksheets Past papers Important Questions
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### HALF YEARLY SYLLABUS

Pure maths-1 3rd sept 9709/12

1. Algebra & Functions
2. Coordinate Geometry
3. Trigonometry
4. Sequences & Series
5. Differentiation

# Monthly Syllabus for the session 2024-25 Grade XI (CAIE)

## Computer Science

MONTH	TOPIC	MODE OF ASSESSMENT	REINFORCEMENT PORTION	ADDITIONAL RESOURCES
APRIL	1. Data Representation	-	-	Model Questions Previous years Question Papers
MAY	2. Communication & Internet Technologies	<b>Class Test – 1 (Written Test)</b> <b>Max Marks - 10</b> The following chapters are included: Data Representation	<b>Unit Test 1 Syllabus</b>  1. Data Representation 2. Communication & Internet Technologies	Model Questions Previous years Question Papers
<b>SUMMER</b>	<b>BREAK</b>		<b>SUMMER</b>	<b>BREAK</b>
JUNE	3. Algorithms	<b>Class Test – 2 (Written Test)</b> <b>Max Marks – 10</b> The following chapters are included: Data Representation, Communication & Internet Technologies	-	Model Questions Previous years Question Papers
JULY	4. Recursion	<b>Class Test – 3 (Written Test)</b> <b>Max Marks - 10</b> The following chapters are included: Communication & Internet Technologies, Algorithms	<b>Unit Test 2 Syllabus</b> Data Representation, Communication & Internet Technologies, Algorithms	Model Questions Previous years Question Papers
AUGUST	5. Logic circuits and Boolean Algebra 6. Programming Paradigms 7. File Processing		-	Model Questions Previous years Question Papers
SEPTEMBER	8. System Software	<b>Class Test – 4 (Written Test)</b> <b>Max Marks - 10</b> The following chapters are included: Logic circuits and Boolean Algebra, Programming Paradigms, File Processing		Model Questions Previous years Question Papers

## **HALF YEARLY SYLLABUS**

The following chapters are included in the Half Yearly Examination.

1. Data Representation
2. Communication & Internet Technologies
3. Algorithms
4. Recursion
5. Logic circuits and Boolean Algebra
6. Programming Paradigms
7. File Processing
8. System Software

# Monthly Syllabus for the session 2024-25 Grade XI (CAIE)

## Chemistry

MONTH	TOPIC	MODE OF ASSESSMENT	REINFORCEMENT PORTION	ADDITIONAL RESOURCES
APRIL	Atomic Structure Electrons in Atom Atoms, Molecules and stoichiometry	-Brainstorming session -Group Discussion		<a href="https://www.youtube.com/@ftedu7538/videos">https://www.youtube.com/@ftedu7538/videos</a>
MAY	-Chemical Bonding -States of Matter	-Brainstorming session		<a href="https://www.youtube.com/@ftedu7538/videos">https://www.youtube.com/@ftedu7538/videos</a>
<b>SUMMER</b>	<b>BREAK</b>		<b>SUMMER</b>	<b>BREAK</b>
JUNE	-States of Matter -Enthalpy changes -Redox reactions	-Brainstorming session -Group Discussion		<a href="https://www.youtube.com/@ftedu7538/videos">https://www.youtube.com/@ftedu7538/videos</a>
JULY	-Redox reactions -Equilibria -rate of reactions	-Brainstorming session -Group Discussion		<a href="https://www.youtube.com/@ftedu7538/videos">https://www.youtube.com/@ftedu7538/videos</a>
AUGUST	-periodicity -Group Chemistry Group 2 ,17 and Nitrogen	-Brainstorming sessions -Quiz		<a href="https://www.youtube.com/@ftedu7538/videos">https://www.youtube.com/@ftedu7538/videos</a>

### HALF YEARLY SYLLABUS

- Atomic Structure
- Electrons in Atom
- Atoms, Molecules and stoichiometry
- Chemical Bonding
- States of Matter
- Enthalpy changes
- Redox reactions
- Equilibria
- rate of reactions