Syllabus

Grade-VII Session: 2024-2025



St. Joseph International School

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Ten Basic Tips to Help Stop Climate Change

Climate is defined as an area's long-term weather patterns. The simplest way do to describe climate is to look at average temperature and precipitation over time. Other useful elements for describing climate include the type and the timing of precipitation, amount of sunshine, average wind speeds and directions, number of days above freezing, weather extremes, and local geography. You must consider all the factors that work together to determine climate.

Don't have a lot of times, but want to take action? Here are ten, simple, everyday things each of us can do to help stop climate change.

Change a light: Replacing a regular light bulb with a compact fluorescent one saves 150 pounds of carbon dioxide each year.

Drive less: Walk, bike, carpool, take mass transit, and/or trip chain. All of these things can help reduce gas consumption and one pound of carbon dioxide for each mile you do not drive.

Recycle more and buy recycled: Save up to 2,400 pounds of carbon dioxide each year just by recycling half of your household waste.

Check your tires: Properly inflated tires mean good gas mileage. For each gallon of gas saved, 20 pounds of carbon dioxide are also never produced.

Use less hot water: It takes a lot of energy to heat water. Reducing the amount used means big savings in not only your energy bills, but also in carbon dioxide emissions.

Avoid products with a lot of packaging: Preventing waste from being created in the first place means that there is less energy waste and fewer resources consumed.

Adjust your thermostat: Keeping your thermostat at 68 degrees in winter and 78 degrees in summer not only helps with your energy bills, but it can reduce carbon dioxide emissions as well.

Plant a tree: A single tree can absorb one tan of carbon dioxide over its lifetime.

Turn of electronic devices when not in use: Simply turning of your TV, VCR, computer and other electronic devices can save each household thousands of pounds of carbon dioxide each year.

Stay in formed: Use the Earth 911 Web site to help stay informed about environmental issues, and share your knowledge with others. Together, we can and do make Every Day Earth Day!

Ref:http://earth911.com/blog/2001/04/02

Few Words on the Syllabus of 2024-2025

It is our utmost pleasure to introduce you to the syllabus of grade-III to X for the academic year of 2024-2025. We believe a syllabus should help students becoming more effective learners in the course. Hard work and regular studies only can enable students to achieve their desired academic success. To accomplish this aim, unit heads of those classes had been assigned for making and developing the syllabus of 8 subjects taught in different grades. Then the unit heads, with the help of subject-teachers, produce this example of collective effort to give a detailed outline about the topics and readings to be covered in the whole session. We have included CT and Hall test syllabus, question patterns and marks distribution for first and final semester of the current academic year. We have followed Cambridge Curriculum System to make it a useful learning tool. Therefore, learners of SJIS are expected to follow them and take preparations accordingly. Educational institutions should facilitate the scholastic and cognitive development (physical, mental, moral and spiritual) of the young aspirants. In order to achieve this objective, a well-planned syllabus is an essential means. As this is written on our school monogram, advancing in wisdom and virtue, we are dedicated to develop stimulated intellect of our students.

In about 182 years earlier, after the French Revolution, founder of the Congregation of Holy Cross, Blessed Basil Anthony Moreau, CS.C established the congregation with some enthusiast and dedicated brothers and prioritized education to develop his country. In order to follow his legacy Holy Cross Brothers are also serving in different educational institutions to help students transforming into an ideal human being till date.

Since some subjects might not incorporate CT syllabus but the chapters name only, students are asked to discuss these issues with the respective subject-teachers.

In addition, I want to extend my sincere thanks and appreciation to all the soul worked to develop this syllabus. Moreover, any observations or suggestions regarding this syllabus will be highly regarded. With thanks

Historio, esa Brother Victor Bikash D' Rozario, CSC

Vice Principal

English literature

Objectives: The prime goals for this particular literary content are:

- 1. To develop their analytical skill in a critical manner.
- 2. Assist the learners to enhance cognitive flexibility, innovation and cultural literacy to incorporate with their entity.
- 3. To cultivate the linguistic potentials within a proper literary context and discourse

Books: 1. Oxford Reading Circle 8 2. Tales from Shakespeare

Name of the	Chapters	Pattern	Marks
Exam			
Half Yearly Examination	Stories: 1. After Twenty Years 2. Great Expectations 3. Romeo and Juliet 4. The Post Master Poems: 1. Life- Charlotte Bronte 2. Sonnet - I Edmund	Broad Question, Short Question, Poem analysis, Character Analysis, lines/ stanza explanation, one word answer, One sentence answer, True/ False, W/M	50
CT-1	Stories: 1. After Twenty Years 2. Great Expectations Poem: 1. Life- Charlotte Bronte	Broad Question, Short Question, Poem analysis, Character Analysis, lines/ stanza explanation, one word answer, One sentence answer, True/ False, WM	15
CT-2	Drama: 1. Othello Poem: 1. Sonnet - I Edmund Spenser	Broad Question, Short Question, Poem analysis, Character Analysis, lines/ stanza explanation, one word answer, One sentence answer, True/ False, WM	15
	SBA		10
	Assignment/ Presentation/ Poster		10
	Total		100

Name of the		Term Synabus	3.5 1
Exam	Chapters	Pattern	Marks
Annual Examination	Stories: 1. Virtually True 2. The Monkey's Paw 3. The Necklace 4. Mrs. Packletide's Tiger Poems: 1. Hymn To God My God In My Sickness- John Donne 2. To the Evening Star - Willam Blake 3. The Village Schoolmaster- Oliver Goldsmith Dramas: 1. Macbeth	Broad Question, Short Question, Poem analysis, Character Analysis, lines/ stanza explanation, one word answer, One sentence answer, True/ False, W.M.	50
CT-1	Stories: 1. Virtually True 2. The Monkey Paw Poem: 1. Hymn To God My God In My Sickness- John Donne	Broad Question, Short Question, Poem analysis, Character Analysis, lines/ stanza explanation, one word answer, One sentence answer, True/ False, W.M.	15
CT-2	Drama: 1. Macbeth Poem: 1. To the Evening Star - Willam Blake	Broad Question, Short Question, Poem analysis, Character Analysis, lines/ stanza explanation, one word answer, One sentence answer, True/ False, W.M.	15
	SBA		10
	Assignment/ Presentation/ Poster		10
	Total		100

English Language

Books:

- Cambridge Lower Secondary English Learner's Book 8
 Cambridge Lower Secondary English Workbook 8
- 3. General Certificate English by Alan Etherton

Name of the Exam	Chapters	Pattern	Marks
Half Yearly Examination	2. Unit-1 Nature and humans 3. Unit-2 Grandmother's Song 4. Unit-3 Strange islands 5. Unit-4 This is the modern world 6. Unit-5 Heroes General Certificate English 7. Part 1- Summary 8. Part 2- Comprehension Practice passage 9-13 9. Part 3 –Descriptive Composition 10. Part 4, 61 Idioms and common expressions 11. Part 5, 64 Adjectives 12. Part 5, 81 Verbs (Present tense), 82 Verbs (Past tense).	Selected exercises from the mentioned topics and workbook.	50
CT-1	Cambridge Books: 1. Unit-1 Nature and humans 2. Uni-2 Grandmother's Song General Certificate English 1. Part 4, 55 Antonym 2. Part 5, 68-Comparison	Selected exercises from the mentioned topics and workbook.	15
CT-2	Cambridge Books: 1.Unit 3- Strange islands 2. Unit 4-This is the modern world	Selected exercises from the mentioned topics and workbook.	15

General Certificate English 1. Part 4, 55 Synonym and homonyms 2. Part 5, 69- Conditionals	
SBA	10
Assignment	10
Total	100

Annual Examination Cambridge Books: 1.Unit 6 - Monsters 2. Unit 7 - The Plantation 3. Unit 8 - Choices and decisions 4. Unit 9 - Endings 50	Name of the Exam	Chapters	Pattern	Marks
Examination 1. Part 2- Comprehension Practice passage 14-17 2. Part 3 - Narrative Composition 3. Part 5 73 Indirect speech, 74 Indirect questions, 76 Participles, 79 Punctuation CT-1 CT-1 Cambridge Books: 1. Unit 6 - Monsters 2. Unit 7- The Plantation General Certificate English 1. Part 5, 70 Connectives CT-2 Cambridge Books: 1. Unit 8- Choices and decisions 2. Unit 9- Endings General Certificate English 1. Part 5, 72 Gerunds Selected exercises from the mentioned topics and workbook. Selected exercises from the mentioned topics and workbook. 15 Selected exercises from the mentioned topics and workbook.		1.Unit 6 - Monsters 2. Unit 7- The Plantation 3. Unit 8- Choices and decisions		
CT-1 I. Unit 6 - Monsters 2. Unit 7- The Plantation General Certificate English 1. Part 5 , 70 Connectives CT-2 Cambridge Books: 1. Unit 8- Choices and decisions 2. Unit 9- Endings General Certificate English 1. Part 5, 72 Gerunds Selected exercises from the mentioned topics and workbook. Selected exercises from the mentioned topics and workbook. 15 Selected exercises from the mentioned topics and workbook. 15 Assignment Selected exercises from the mentioned topics and workbook.		1. Part 2- Comprehension Practice passage 14-17 2. Part 3 -Narrative Composition 3. Part 5 73 Indirect speech, 74 Indirect questions, 76 Participles,		50
1. Part 5 , 70 Connectives Cambridge Books: 1. Unit 8- Choices and decisions 2. Unit 9- Endings General Certificate English 1. Part 5, 72 Gerunds SBA Assignment Selected exercises from the mentioned topics and workbook. 15 16 17 18 19 10 10 10	CT-1	1. Unit 6 - Monsters 2. Unit 7- The Plantation		15
CT-2 1. Unit 8- Choices and decisions 2. Unit 9- Endings Selected exercises from the mentioned topics and workbook. 15				
Assignment 10	CT-2	Unit 8- Choices and decisions Unit 9- Endings General Certificate English		15
		Assignment Total		10 100

^{**}Grade 7 will be in complete synchronization with Grade 8, O Levels syllabus.

Bengali

Objectives:

- Increase the ability to communicate clearly, accurately and effectively in writing.
- Enable students to use a wide range of vocabulary, and correct grammar, spelling and punctuation.

Books: ১) বাংলা (বোর্ড বই) ২) ভাষা-শিক্ষা বাংলা ব্যাকরণ ও নির্মিতি।

Name of the Exam	Chapters	Pattern Pattern	Marks
Half Yearly Examination	গল্প: ১) পিরামিড ২) জগদীশচন্দ্র বসু ৩) তোলপাড় ৪) কত কাল ধরে ব্যাকরণ ও নির্মিতি: ১) সন্ধি ২) বাক্য-প্রকরণ ৩) বাগধারা ৪) অনুচ্ছেদ ৫) পত্র: ক) ঢাকা শহরের দর্শনীয় স্থান খ) গ্রাম্য মেলার বর্ণনা	শব্দার্থ- ২.৫ বানান- ২.৫ সন্ধি- ৫ বাক্য শুদ্ধি- ৫ বাক্য রূপান্তর- ৫ বাগধারা- ৫ পত্রলিখন- ৫ অনুচ্ছেদ- ৫ প্রশ্ন- ১৫	50
CT-1	১) পিরামিড, ২) তোলপাড় ব্যাকরণ ও নির্মিতি: বাগধারা	শব্দার্থ- ২.৫ বানান- ২.৫ প্রশ্ন- ৫ বাগধারা- ৫	15
CT-2	সন্ধি বাক্য-প্রকরণ পত্র	সন্ধি- ৫ বাক্য পরিবর্তন- ৫ পত্র- ৫	15
	SBA		10
	Assignment/Presentation		10
	Total		100

Name of the Exam	Chapters	Pattern	Marks
	গল্প:	শব्দार्थ- ২.৫	
	১) আষাঢ়ের এক রাতে	বানান- ২.৫	
	২) বাংলা নববৰ্ষ	সন্ধি- ৫	
	৩) সেই ছেলেটি	উক্তি পরিবর্তন- ৫	
	ব্যাকরণ ও নির্মিতি:	জোড় শব্দ- ৫	
	১) সন্ধি	প্রবাদ- ৫	
	২) উক্তি পরিবর্তন	অনুচ্ছেদ- ৫	
	৩) জোড় শব্দ	আবেদন পত্ৰ- ৫	
	8) প্রবাদ	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 	
Annual Examination	৫) অনুচ্ছেদ		50
Alliuai Examination	৬) আবেদন পত্র:		30
	ক) বিলম্বে বেতন প্রদানের জন্য জরিমানা		
	মাফ চেয়ে তোমার বিদ্যালয়ের প্রধান		
	শিক্ষকের নিকট একটি দরখাস্ত লেখ।		
	খ) শিক্ষা সফরে প্রেরণের আবেদন জানিয়ে		
	তোমার বিদ্যালয়ের প্রধান শিক্ষকের নিকট		
	একটি দরখাস্ত লেখ।		
	গ) তোমার বিদ্যালয়ে লাইব্রেরি প্রতিষ্ঠার		
	জন্য আর্থিক সাহায্য চেয়ে প্রধান শিক্ষকের		
	নিকট একটি দরখাস্ত লেখ		
	১) আষাঢ়ের এক রাতে	শব্দার্থ- ২.৫	
CT-1	২) বাংলা নববৰ্ষ	বানান- ২.৫	15
C1-1	৩) অনুচ্ছেদ	<u> </u>	13
		অনুচ্ছেদ- ৫	
	উক্তি পরিবর্তন	উক্তি পরিবর্তন- ৫	
CT-2	প্রবাদ	প্রবাদ- ৫	15
	আবেদন পত্ৰ- ১, ২	আবেদন পত্র- ৫	
	SBA		10
	Assignment/Presentation		10
	Total		100
	Total		100

Mathematics

Objectives:

The syllabus is designed to enrich the learners with basic and essential knowledge of the topics: Number, Algebra, Probability, Geometry and Measure so that they can easily start their O-level journey from next grade. This syllabus contains topics from Cambridge lower secondary stage 9 books which is the last book for lower secondary. The main objectives of the syllabus are:

- 1. Developing certain 'thinking and working mathematically' skills.
- 2. Making several mathematical models of real-life problems.
- 3. Identifying and describing properties of mathematical objects.
- 4. Comparing and evaluating ideas for solutions.
- 5. Refining your mathematical ideas to reach more effective approaches or solutions.

Book:

- 1. Cambridge Lower Secondary Mathematics Learner's Book 9
- 2. Cambridge Lower Secondary Mathematics Workbook 9

Name of the Exam	Chapter	Topic	Pattern	Mark
	1. Number and Calculation	1. Irrational Numbers	Structured or	
	(Number)	2. Standard Form	unstructured questions.	
		3. Indices	1	
	2. Expressions and Formulae (Algebra)	2.1 Substituting into expressions		
		2.2 Constructing expressions		
		2.3 Expressions and indices		
		2.4 Expanding the product of two linear expressions		
		2.5 Simplifying algebraic fractions		
Half Yearly		2.6 Deriving and using formulae		50
Examination	3. Decimals, percentages and rounding (Number)	3.1 Multiplying and dividing by powers of 10		
		3.2 Multiplying and dividing decimals		
	4. Equations and inequalities (Algebra)	4.1 Constructing and solving equations		
		4.2 Simultaneous equations		
	5. Angles (Geometry and measure)	5.5 Pythagoras' theorem		
	7. Shapes and measurements (Geometry and measure)	7.1 Circumference and area of a circle		
		7.2 Areas of compound shapes		
	Number and Calculation Number	1.1 Irrational Numbers	Structured or unstructured	
	(Number)	1.2 Standard Form	questions.	
CT - 1		1.3 Indices		15
C1 - 1	2. Expressions and Formulae (Algebra)	2.1 Substituting into expressions.		

CT - 2	2. Expressions and Formulae (Algebra)	2.2 Constructing expressions. 2.3 Expressions and indices 2.4 Expanding the product of two linear expressions 2.5 Simplifying algebraic fractions	Structured or unstructured questions.	15
		2.6 Deriving and using formulae		
		SBA		10
	As	signment		10
		Total		100

Name of the Exam	Chapter	Topic	Pattern	Marks
	8. Fractions (Number)	8.1 Fractions and recurring decimals	Structured or unstructured	
		8.2 Fractions and the correct order of operations	questions.	
		8.3 Multiplying fractions	_	
		8.4 Dividing fractions		
		8.5 Making calculations easier		
	9. Sequences and functions (Algebra)	9.1 Generating sequences		
	(-18:5-4)	9.2 Using the n th term Worksheet		
Annual		will be provided.		
Examination		9.3 Representing functions		50
	10. Graphs (Algebra)	10.1 Functions		
		10.2 Plotting graphs		
	11. Ratio and proportion (Number)	11.1 Using Ratio		
	(Ivainoer)	11.2 Direct and inverse proportion		
	14. Volume, surface area and symmetry (Geometry and measure)	14.1 Calculating the volume of prism		
		14.2 Calculating the surface area of triangular prisms, pyramids, and cylinders	_	

	12. Probability (Statistics and probability)	Worksheet will be provided.		
	8. Fractions (Number)	8.1 Fractions and recurring decimals	Structured or unstructured questions.	
CT - 1		8.2 Fractions and the correct order of operations		15
		8.3 Multiplying fractions		15
		8.4 Dividing fractions		
		8.5 Making calculations easier.		
	9. Sequences and functions (Algebra)	9.1 Generating sequences	Structured or unstructured	
CT - 2	(Algebra)	9.2 Using the n th term Worksheet will be provided.	questions.	15
		9.3 Representing functions		
		SBA		10
Assignment				
		Total		100

Physics

Objectives: Our approach in Cambridge Physics encourages learners to be:

confident, interested in learning about science, questioning ideas and using scientific language to communicate their views and opinions

responsible, working methodically and safely when working alone or collaboratively with others

reflective, learning from their experiences and interested in scientific issues that affect the individual, the community and the environment

innovative, solving unfamiliar problems confidently and creatively

engaged, keen to develop scientific skills, curious about scientific principles and their application in the world.

Book's Name: Complete Physics for Cambridge IGCSE (Third edition) by Stephen pople

Name of the Exam	Chapters	Question Pattern	Marks
Half Yearly Examination	Chapter-1: Measurement and units (Unit:1.04-1.05) Chapter-2: Forces and motion (Unit:2.04,2.06-2.07) Chapter-3: Forces and pressure (Unit:3.05-3.06) Chapter-4: Forces and energy (Unit:4.04, 4.06-4.07) Chapter-5: Thermal effects(Unit:5.06-5.07) Chapter -6: Waves and sound (Unit:6.05-6.06)	•True/False •Fill in the blanks •Multiple choice questions (MCQs) •Structured Question (short questions, Broad question, mathematical problems, &drawing diagram)	50
CT-1	Chapter-1: Measurement and units (Unit:1.04-1. 05) Chapter-2:Forces and motion	•True/False •Fill in the blanks • Multiple Choice questions (MCQs)	15

	(Unit:2.04,2.06)	•Structured Question(short questions, Broad question ,mathematical problems& drawing diagram)	
CT-2	Chapter-3: Forces and pressure (Unit:3.05-3.06) Chapter-4: Forces and energy (Unit:4.04, 4.06)	 True/False Fill in the blanks Multiple Choice questions (MCQs) Structured Question(short questions, Broad question, mathematical problems &drawing diagram) 	15
	SBA		10
	Assignment/Lab Copy/ Presentation/ Scrap Book		10
	Total		100

Name of the Exam	Chapters	Question Pattern	Marks
Annual Examination	Chapter-2: Forces and motion (Unit:2.09 - 2.11) Chapter-5: Thermal effects (Unit:5.10 &5.11) Chapter-7:Ray and waves (Unit:7.04-7.06) Chapter-8: Electricity (Unit:8.04-8.05) Chapter-9: Magnets and currents (Unit:9.03-9.04)	 True/False Fill in the blanks Multiple choice questions (MCQs) Structured Question(short questions, Broad question, mathematical problems &drawing diagram) 	50
CT-1	Chapter-2: Forces and motion (Unit:2.09 - 2.11)	•True/False •Fill in the blanks •Multiple choice questions (MCQs) •Structured Question(short questions, Broad question, mathematical problems & drawing diagram)	15
CT-2	Chapter-5: Thermal effects (Unit:5.10 &5.11) Chapter-7: Ray and waves (Unit:7.04)	•True/False •Fill in the blanks •Multiple choice questions (MCQs) • Structured Question(short questions, Broad question, mathematical problems & drawing diagram)	15
	SBA		10
	Assignment/Lab Copy/ Presentation/ Scrap Book		10
ĺ	Total		100

Chemistry

Objective:

Approaching this syllabus for grade 7 Chemistry the learners will be beneficiary in many ways.

- It will help students for the next step of their education, to become confident, responsible, reflective, innovative and engaged.
- Learners will get a thorough knowledge and understanding of the subject matters and get help to develop their skills and the knowledge acquired to solve problems in everyday life, including the sustainability issues and the challenges facing our environment.
- It will help learners to develop a life-long curiosity about the natural world and enables them to seek scientific explanations to the phenomena around them.

Book:

1. New Coordinated Science: Chemistry for Higher Tier. (3rd Edition)

Authors: RoseMarie Gallagher and Paul Ingram

Name of the Exam	Chapters	Pattern	Marks
Half Yearly Examination	Chapter 5: Extracting metals 5.01 Metals in the Earth's crust 5.02 Extracting metals from their ores 5.03 Making use of metals 5.04 Extracting iron 5.05 Principles of electrolysis 5.06 Extracting aluminium 5.07 Purifying copper by electrolysis 5.08 Corrosion Chapter 6: The non-metals 6.01 The non-metal groups in the periodic table 6.02 Reactions of the halogens 6.03 Compounds of the halogens 6.04 The electrolysis of sodium chloride 6.05 The chlor-alkali industry Chapter 7: Reactions, equations and amounts 7.01 The masses of atoms 7.02 Percentage composition of a compound 7.03 The formula of a compound 7.04 Equations for chemical reactions	 Objective type questions (MCQ/Fill in the blanks/True or False etc.) Structured questions 	50

Name of the Exam	Chapters	Pattern	Marks	
CT-1	Chapter 5: Extracting metals 5.01 Metals in the Earth's crust 5.02 Extracting metals from their ores 5.03 Making use of metals 5.04 Extracting iron	Objective type questions (MCQ/Fill in the blanks/True or False etc.) Structured questions	15	
CT-2	Chapter 6: The non-metals 6.01 The non-metal groups in the periodic table 6.02 Reactions of the halogens 6.03 Compounds of the halogens 6.04 The electrolysis of sodium chloride	 Objective type questions (MCQ/Fill in the blanks/True or False etc.) Structured questions 	15	
SBA				
Assignment				
	Total			

Name of the Exam	Chapters	Pattern	Marks
Annual Examination	Chapter 7: Reactions, equations and amounts 7.05 Calculations from equations 7.06 Calculating the volumes of gases 7.07 Calculations on electrolysis Chapter 8: Getting the rate right 8.01 Rates of reaction 8.02 Measuring the rate of a reaction 8.03 Changing the rate of a reaction (I) Chapter 9: Energy changes and reversible reactions 9.01 Exothermic and endothermic reactions 9.02 Explaining energy changes 9.03 Reversible reactions 9.04 Shifting the equilibrium 9.05 Making ammonia in industry 9.06 Fertilizers Chapter 10: Useful materials from crude oil 10.01 Crude oil 10.02 Separating oil into fractions 10.03 Cracking hydrocarbons	 Objective type questions (MCQ/Fill in the blanks/True or False etc.) Structured questions 	50

Name of the Exam	Chapters	Pattern	Marks	
	10.04 The alkanes and alkenes 10.05 Polymerization and plastics			
CT-1	Chapter 7: Reactions, equations and amounts 7.05 Calculations from equations 7.06 Calculating the volumes of gases 7.07 Calculations on electrolysis Chapter 8: Getting the rate right 8.01 Rates of reaction	 Objective type questions (MCQ/Fill in the blanks/True or False etc.) Structured questions 	15	
CT-2	Chapter 9: Energy changes and reversible reactions 9.01 Exothermic and endothermic reactions 9.02 Explaining energy changes 9.03 Reversible reactions 9.04 Shifting the equilibrium	 Objective type questions (MCQ/Fill in the blanks/True or False etc.) Structured questions 	15	
SBA			10	
	Assignment			
Total			100	

Biology

Objectives: Objectives: Students should study Biology to produce the following outcomes:

- Ability to understand all living beings on the earth emerged from one being to another which inculcates 'oneness' of all living beings,
- To develop the individual sensitiveness to nature, make him feels at home with it and respect towards nature
- Understanding of basic biological principles, such as genetics, nutrition, evolution, reproduction of various life forms, structure-function relationships, disease, diversity, integration of life systems, life cycles, and energetics.
- Capacities for critical thinking in all areas of Biology. Ability to formulate questions about nature and living things and answers from observation and interpretation of natural phenomena.
- Ability to explain the living world in terms of scientific principles and appreciating all organisms which behave in different ways.

Books: Biology for Higher Tier by Brian Beckett Rose Mario Gallagher Half Yearly Syllabus

Name of the Exam	Chapters	Pattern	Marks
Half Yearly Examina tion	1.04 Groups of living things 1.07 In and out of cells 1.08 Mitosis 1.09 Meiosis 2.03 Chromosomes and genes 3.05 Transport & support in plants 3.06 ranspiration	 Creative/Structured Questions, Short-Answer Questions, Key words Multiple Choice Questions, Fill in the blanks, True or False Questions, Labeling/Drawing 	50

	1.02 Living things	1. Creative/Structured Questions,	15
	1.04 Groups of living things	2. Short-Answer Questions,	
CT-1	1.07 In and out of cells	3. Fill in the blanks	
		4. Multiple Choice Questions,	
		5. Labeling/Drawing	
	1.08 Mitosis	1. Creative/Structured Questions,	15
	1.09 Meiosis	2. Short-Answer Questions,	
CT-2		3. Key words	
		4. True or False Questions,	
		5. Labeling/Drawing	
	SBA		10
	Lab Copy/ Assignment / Presentation		10
	Total		100

Name of the	Chapters	Pattern	Marks
Exam	-		
	4.11 Homeo stasis	1. Creative/Structured Questions	
	4.12 Skin and temperature control	2. Short Answer Questions	
	5.06 Digestion	3. Key words	
Annual	5.08 Absorption and the liver	4. Multiple Choice Questions	
Examination	6.03 The Eye	5. Fill in the blanks	50
Examination	6.04 Vision	6. True or False Questions	
	6.07 More about the nervous system	7. Drawing & Labeling diagram	
	9.02Germs diseases and infection		
	9.03 Defenses against disease		
	4.13 Excretion	1. Creative/Structured Questions,	
	5.06 Digestion	2. Short-Answer Questions,	
CT-1	5.08 Absorption and the liver	3. Fill in the blanks	15
		4. Multiple Choice Questions,	
		5. Labeling/Drawing	
	6.03 The eye	1. Creative/Structured Questions,	
	6.04 Vision	2. Short-Answer Questions,	
CT-2	6.06 The nervous system	3. Key words	15
		4. True or False Questions,	
		5. Labeling/Drawing	
	SBA		10
	Lab Copy & Assignment &		10
	Presentation		10
	Total		100

Computer Science

Objective: The aims describe the purpose of a course based on the syllabus.

The aims are to enable students to develop:

- Computational thinking skills.
- An understanding of the main principles of solving problems using computers.
- The skills necessary to solve computer-based problems using a high-level programming language.
- An understanding of the component parts of computer systems and how they interrelate.
- An understanding of the internet as a means of communication and its associated risks.
- An understanding of the development and use of automated and emerging technology.

Book: Click Start: Computer Science for Schools Book 8 (Revised Edition)

Authors: Anjna Virmani and Shalini Harisukh

Half Yearly Syllabus

Name of the Exam Chapters		Pattern	Marks
	Chapter 1: MS Access 2010		
	Chapter 6: HTML 5- Introduction	True/False, Fill in the blanks,	
Half Yearly Examination	Chapter 5: JavaScript in HTML Documents Conversion of: Byte Concept (New Matc. Sente Short Quest.)	Matching, MCQ, One Sentence Question Answer, Short	
v		Questions, Broad Questions, Diagram and Labeling	50
CT 1	Chapter 1: MS Access 2010	True/False, Fill in the blanks, MCQ, One Sentence	15
CT 2	Chapter 6: HTML 5- Introduction	Question Answer, Short Questions, and Labeling	15
SBA+ Surprise test	10		
Assignment/Lab Work	10		
Total	100		

Name of the Exam	Chapters	Pattern	Marks
	Chapter 7: Introduction to Python		
Annual Examination	Chapter 8: More about Python	True/False, Fill in the blanks, Matching, MCQ, One Sentence Question	
	Chapter 9: Introduction to Artificial Intelligence	Answer, Short Questions, Broad Questions, Diagram and Labeling	50
	Chapter 10: Virus and Anti-Virus		
CT 1	Chapter 7: Introduction to Python	True/False, Fill in the blanks, MCQ, One Sentence Question	15

CT 2	Chapter 9: Introduction to Artificial Intelligence	Answer, Short Questions, and Labeling	15
SBA+ Surprise test			10
Assignment/Lab Work			10
Total			100

^{***}Syllabus and question pattern can be changed or altered due to the time frame.

Bangladesh and Global Studies

Book: Bangladesh and Global Studies (Class 8)

Name of the Exam	Chapters	Pattern	Marks
Half Yearly Examination	Chapter 2: Liberation war of Bangladesh Chapter 3: Art and Culture of Bangladesh Chapter 6: Bangladesh Economy Chapter 8: Disaster in Bangladesh	MCQ, Matching, One sentence answer, True/ False, Creative, Picture Description, Short Questions, Broad Questions, Draw and fill the table.	50
CT-1	Chapter 5: Socialization and Development	MCQ, Matching, True/False, One sentence answer, short question, Broad question, Table completion,	15
CT-2	Chapter 3: Art and Culture of Bangladesh	MCQ, Matching, True/False, One sentence answer, short question, Broad question, Table completion.	15
	SBA		10
	Assignment/Lab Copy/ Presentation/ Scrap Book		10
	Total		100

Name of the Exam	Chapters	Pattern	Marks
Annual Examination	Chapter 4: Archaeological Description of Colonial Age Chapter 11: Minority Ethnic Groups of Bangladesh Chapter 12: Resources of Bangladesh Handout: Sustainable Development Goals (SDG)	MCQ, Matching, One sentence answer, True/ False, Creative, Picture Description, Short Questions, Broad Questions, Draw and fill the table.	50
CT-1	Chapter 13: Bangladesh and some International Organization	MCQ, Matching, True/False, One sentence answer, short question, Broad question, Table completion.	15
CT-2	Handout: Sustainable Development Goals (SDG)	MCQ, Matching, True/False, One sentence answer, short question, Broad question, Table completion.	15
	SBA		10
	Assignment/Lab Copy/ Presentation/ Scrap Book		10
	Total		100

Geography

Objectives:

- To learn about the population, its varied distribution, and influencing factors of birth rate
- To understand the process, various effects of volcanic eruption and earthquakes, and ways to control their damage
- To comprehend the spectacular growth of south-east Asia and its impact
- To know about the economic, and environmental impacts of different energy resources, super dams, and tourism
- To study the physical, economic, and social aspects of countries like Japan and Brazil

Book: Geography in Action (Book 3)

Name of the Exam	Chapters	Question Pattern	Marks
Half Yearly Examination	Chapter-2: The Active Earth Chapter-3: Asian Revolution Chapter-4: Japan	Matching MCQ One Word Q/A One sentence Q/A Question/Answer Drawing and Labelling Complete the table Creative Questions	50
CT-1	Chapter-1: Population matters	Matching, One sentence Q/A, MCQ, Q/A, Creative Questions	15
CT-2	Chapter-2: The Active Earth	Matching, One sentence Q/A, MCQ, Q/A, Creative Questions	15
	SBA		10
	Assignment/Scrapbook/ Poster Making/Presentation		10
	Total		100

Name of the Exam	Chapters	Question Pattern	Marks
	Chapter-6: Superdams	Matching	
	Chapter-7: Ecotourism	MCQ	
Annual	Chapter-8: Brazil	One Word Q/A	
Annual Examination		One sentence Q/A Question/Answer	50
Examination		Drawing and Labelling	
		Complete the table	
		Creative Questions	
CT-1	Chapter-5: Energy	Matching, One sentence Q/A, MCQ, Q/A,	15
C1-1		Creative Questions	13
CT-2	Chapter-6: Superdams	Matching, One sentence Q/A, MCQ, Q/A,	1.5
C1-2		Creative Questions	15
	SBA		10
	Assignment/Scrapbook/ Poster		10
	Making/Presentation		10
	Total		100

^{****}Syllabus can be changed or altered because of Time Frame.

History

Objectives:

- 1. To educate the students about personal and collective history. The processes and events of the past are revealed through history, which also connects them.
- 2. To educate the learners about the conflicts that have molded history and contributed to the present.
- 3. To encourage students to read for enjoyment and investigate more general and universal issues, fostering greater understanding.

Book: The Oxford History Project (Book Three), Writer: Peter Moss.

Name of the Exam	Chapters	Pattern	Marks
Half Yearly Examination	Chapter 1: 1. The rise of nation sates 2. The Tudors' rise to power 3. The Civil War 4. Commonweath, Restoration and the 1688 Revolution 5. The Sun King 6. The Enlightenment Chapter 2: 7. The Industrial Revolution 8. The Agricultural Revolution 9. The causes of Industrial Revolution 10. Social changes in the Industrial Revolution Chapter 3: 11. The American Revolution: Independence 12. The causes of French Revolution 13. The French Revolution 14. Napoleon Bonaparte	Wordmeaning, True/False, matching, MCQ, One word/ One sentence, Broad Q/A, Short Q/A, picture description	50

CT-1	Chapter 1: 1.The rise of nation sates	Wordmeaning, True/False, MCQ, Short Q/A, Broad Q/A,	
	2.The Tudors' rise to power 3.The Civil War		15
	4.Commonweath, Restoration and the 1688 Revolution		
	5.The Sun King	True/False, matching, Broad Q/A, Short Q/A;	
	Chapter 2:		
CT-2	6. The Industrial Revolution		15
012	7. The Agricultural Revolution		
	8. The causes of Industrial		
	Revolution		
	SBA		10
	Assignment/Lab Copy/		10
	Presentation/ Scrap Book		10
	Total		100

N	Annual Term Syllabus			
Name of the Exam	Chapters	Pattern	Marks	
Annual Examination	Chapter 4: 1.China in the 18 th and 19 th centuries 2.The Anglo- Chinese wars 3.China 4.The modernization of Japan 5.India and the West 6.India 7.South-east Asia 8.Chapter 5: The world in 1900 9. Russia (1860-1914) 10. Russia (1914-18) 11. Communism 12.The causes of WWI 13. The effects of WWI 14. World War II 15. Chapter 6: The Communications Revolution	Word Meaning, True/False, Matching, MCQ, One word/ One sentence q/a, Broad Q/A, Short Q/A, picture description.	50	
CT-1	1.China in the 18 th and 19 th centuries 2.The Anglo- Chinese wars 3.China 4.The modernization of Japan 1.India and the West	Word Meaning, True/False, MCQ, Broad Q/A, Short Q/A; True/False, Metabing, Broad Q/A, Short Q/A;	15	
CT-2	2. India 3.South-east Asia 4. The world in 1900 5.Russia (1860-1914)	True/False, Matching, Broad Q/A, Short Q/A;	15	
	SBA		10	
	Assignment/Lab Copy/ Presentation/ Scrap Book		10	
	Total		100	