

SYLLABUS BOOK 2025



FOR CLASS - VII

HOLY CROSS SCHOOL

AGARTALA, WEST TRIPURA

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HOLY CROSS SCHOOL, AGARTALA
SYLLABUS for 2025
Class : VII
Subject : ENGLISH LANGUAGE

UNIT TEST-I	HALF-YEARLY
Unit Test I: Ch-2 – Adjectives Ch-3 – Pronouns	Ch-2 – Adjectives Ch-3 – Pronouns Ch-5 – Agreement of Subject and Verb Ch-7 – Expressing the Present Ch-8 – Expressing the Past Ch-9 – Expressing the Future Ch-10 – Adverbs Ch-11 – Prepositions • Essay • Comprehension • Letter – formal • E-mail

Subject : ENGLISH LANGUAGE (Final)

UNIT TEST-II	FINAL
Unit Test II: Ch-14 – Articles Ch-15 – Active and Passive Voice	Ch-12 – Conjunction Ch-14 – Articles Ch-15 – Active and Passive Voice Ch-16 – Direct and Indirect Speech Ch-17 – Finite and Non-Finite Verbs Ch-18 – Phrases Ch-19 – Clauses Ch-22 – Transformation and Synthesis. • Comprehension • Essay • Letter (informal) • Notice Writing

HOLY CROSS SCHOOL, AGARTALA
SYLLABUS for 2025
Class : VII
Subject : ENGLISH LITERATURE (HALF YEARLY)

UNIT TEST-I	HALF-YEARLY
Unit Test I: Ch.1 – Big Brother	<u>Story</u> Ch.1 – Big Brother (U.T.-I) Ch-3 – A Spark Neglected Burns the House Ch-6 – The Aged Mother <u>Poem</u> The Cherry Tree (Ruskin Bond) If (Rudyard Kipling) <u>Drama</u> The Belbati Princess (Once Upon a time)

Subject : ENGLISH LITERATURE (Final)

UNIT TEST-II	FINAL
Unit Test II: Ch-7 – Uncle Podger Hangs a Frame	<u>Story</u> Ch-7 – Uncle Podger Hangs a Frame Ch-8 – The Story of Ali Cogia <u>Drama</u> Ch-9 – Met by Moonlight <u>Poem</u> The Pied Piper of Hamelin (Robert Browning) A Psalm of life (Henry W. Longfellow) <u>Drama</u> Queen Amaravati (Once Upon a time)

SYLLABUS for 2025

Class : VII

Subject: BENGALI (HALF YEARLY-1st Term)

Book : স্বর্ণকমল (সপ্তম ভাগ)

গদ্য :

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| ১। গুরুভক্তি | ঈশ্বরচন্দ্র বিদ্যাসাগর |
| ২। গাধার কান | শরদিন্দু বন্দ্যোপাধ্যায় |
| ৩। বিদ্যাসাগর | বলাইচাঁদ মুখোপাধ্যায় |

কবিতা :

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| ১। ভারতের ভাতৃভক্তি | কৃত্তিবাস ওঝা |
| ২। বঙ্গভূমির প্রতি | মাইকেল মধুসূদন দত্ত |
| ৩। সাম্যবাদী | কাজী নজরুল ইসলাম |

গ্রামার : ভাষাকমল (সপ্তম ভাগ)

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| ১। এক কথায় প্রকাশ | Page : 86-87 |
| ২। ব্যঞ্জন সন্ধি | Page : 5-8 |
| ৩। নহ ও যত্ন বিধান | Page : 16-18 |
| ৪। রচনা, চিঠি, বোধ পরীক্ষণ। | |

Unit Test 01 : গদ্য - গাধার কান (শরদিন্দু বন্দ্যোপাধ্যায়)

Class-VII (Annual Exam - 2nd Term)

গদ্য :

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| ১। ক্লোরোফর্ম আবিষ্কার | অমরনাথ রায় |
| ২। স্বাধীনতা সংগ্রামে নারী | কমলা দাশগুপ্ত |
| ৩। পাগলা গনেশ | শীর্ষেন্দু মুখোপাধ্যায় |

কবিতা :

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| ১। স্মৃতিচিহ্ন | কামিনী রায় |
| ২। কন্যা শরৎ | মোতিলাল মজুমদার |
| ৩। প্রতিদান | জসীম উদ্দিন |

গ্রামার : ভাষাকমল (সপ্তম ভাগ)

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| ১। পদ পরিবর্তন কর | Page : 68-69 |
| ২। বিপরীতার্থক শব্দ | Page : 79-80 |
| ৩। এককথায় প্রকাশ | Page : 88 |
| ৪। বাগ্ধারা | Page : 99-100 |

রচনা, চিঠি, বোধ পরীক্ষণ।

Unit Test 02 : গদ্য - ক্লোরোফর্ম আবিষ্কার (অমরনাথ রায়)

SYLLABUS for 2025
Class : VII
Subject: SANSKRIT

Half-Yearly Examination

- ★ Ch-1 सप्तमी कक्षा
- ★ Ch-2 वन-भोजः (Unit Test-I)
- ★ Ch-3 वल्लकन्दुकः पादकन्दुकः वा
- ★ Ch-5 श्लोकसमुच्चयः

★ Ch-2 (Unit Test-I)

- ★ शब्दकोष : (Page - 114, 115)

(Grammar- Shabdroop, Dhaturuop, Translation, Short essay will be given in the class)

- ★ संस्कृत व्याकरण - Ch-3 सन्धि

Final Examination

- ★ Ch - 6 सन्मित्रम् क :
- ★ Ch - 7 वृक्षस्य व्यथा (Unit Test-II)
- ★ Ch - 8 सप्ताहस्य दिवसाः
- ★ Ch - 10 भागीरथी

★ Ch - 7 (Unit Test-II)

- ★ शब्दकोष : (Page- 116, 117)

(Grammar- Shabdroop, Dhaturuop, Translation, Short essay will be given in the class)

- ★ संस्कृत व्याकरण - Ch - 4 अव्यय

HOLY CROSS SCHOOL, AGARTALA
CLASS - 7
HIGHER HINDI SYLLABUS - 2025

Half Yearly

Ch: 1 शक्ति और क्षमा

Ch: 4 नर हो ना निराश करो मन को (Unit test - 1)

Ch: 6 मुंबई के दर्शनीय स्थल

Vyakaran

Ch: 1 भाषा, बोली, लिपि, व्याकरण तथा साहित्य

Ch: 2 वर्ण विचार

Ch: 3 शब्द विचार

Ch: 4 शब्द निर्माण उपसर्ग एवं प्रत्यय

* पत्र लेखन, निबंध लेखन, अपठित गद्यांश

Final Exam

Ch: 7 सूरदास के पद

Ch: 8 बुद्धि का सौदागर (Unit test - II)

Ch: 11 एनी बेसेंट

Ch: 13 अर्जुन की प्रतिज्ञा

Vyakaran

Ch: 6 शब्द - भेद : अर्थ के आधार पर

Ch: 7 संज्ञा

Ch: 8 लिंग

Ch: 9 वचन

Ch: 10 कारक

* पत्र लेखन, निबंध लेखन, अपठित गद्यांश

Holy Cross School, Agartala
Class-7
Lower Hindi Syllabus for 2025

Half Yearly

Ch:1 सबसे सीखें

Ch: 3 स्वर कोकिला

Ch: 4 आसमान में महल (Unit test-1)

Ch: 5 माता की सीख

व्याकरण -

Ch: 1 भाषा, लिपि, बोली और व्याकरण

Ch: 2 वर्ण विचार

*Unseen passage and short essay will be given in the class

Annual Exam -

Ch: 7 मेरी कश्मीर यात्रा

Ch: 8 ईमानदार नौकर (Unit test - II)

Ch: 9 बरसात की प्यारी हवा

Ch: 11 तीन बौने

व्याकरण-

Ch: 3 शब्द विचार

Ch: 4 संज्ञा

* Unseen passage and short essay will be given in the class

HOLY CROSS SCHOOL, AGARTALA

SYLLABUS for 2025

Class : VII

Subject : MATHEMATICS

Half Yearly	Final
Ch.1: Integers Ch.2: Fractions Ch.5: Exponents Ch.7: Ratio and Proportions Ch. 9: Percentage Ch: 12: Speed, Time and Distance Ch. 13: Fundamental Concept of Algebraic Expressions. Ch. 17: Lines and Angles Ch. 21: Congruence Ch. 23: Mensuration. (UT-1)	Ch.3: Decimals Ch.4: Rational Numbers. Ch.6 Sets Ch.8 Unitary Method: (UT-2) Ch. 10: Profit and Loss Ch. 11: simple Interest Ch. 14: Linear Equations. (U.T-2) Ch. 15: Inequalities. Ch 18: Properties of triangles Ch. 22: construction. Ch. 24: Data Handling Ch.25: Probability.

HOLY CROSS SCHOOL, AGARTALA

SYLLABUS for 2025

Class : VII

Subject : Biology

Half Yearly

Theme : - 1 Tissue		
Learning Outcome : Children will be able to 1) Define the term tissue 2) Relate that plants and animals have different types of tissues. 3) Explain the differences between structure, location and function of different tissues. 4) Explain the difference between meristematic and permanent tissue. 5) Classify the different types of animal tissues.		
Key Concepts	Name of the book : Concise Biology Lessons : 1	Life Skills
- Definition of tissue - Classification of plant tissue - Meristematic tissues characteristics - Simple permanent tissues - Complex permanent tissues / Nature of cells	1 Plant and animal tissue <u>Plant tissue</u>	- Learning basics of plant systems - Development of thinking abilities - Knowledge, understanding

Theme : 1 Tissue		
Learning Outcome : Children will be able to 1) Draw diagrams of different tissues and label them 2) Classify Epithelial, connective, muscular, nerve tissue with functions.		
Key Concepts	Name of the book : Concise Biology Lessons :	Life Skills
- Epithelial tissue location and function - Connective tissue location and function, Areolar, adipose, bone, cartilage, blood, ligament, tendon - Muscular tissue location and function striated, unstriated cardiac. - Nerve tissue – parts of neuron	Animal tissue	- Nurturing curiosity - Development of scientific attitude

Theme : 2 Kingdom Classification		
Learning Outcome : Children will be able to 1) Explain the purpose and advantages of classification. 2) Explain the basis of 5 kingdom classification. 3) Differentiate between major groups of organisms.		
Key Concepts	Name of the book : Lessons :	Life Skills
- Meaning and concept of classification. - Need and advantages of classification. - Characteristics of each kingdom with suitable examples i) Monera ii) Protista	2 Classification of plants (Unit Test-I)	Appreciate diversity of life.

iii) Fungi iv) Plantae		
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Theme : 2 Kingdom Classification		
Learning Outcome : Children will be able to 1) Draw pictures of organisms representing each kingdom 2) Infer that complex organisms have evolved from simple organism.		
Key Concepts	Name of the book : Lessons :	Life Skills
- Characteristics of Kingdom Animalia with suitable examples - Vertebrates - Invertebrates 9 major phyla Two characteristics and two examples of each phylum.	3. Classification of animals	Appreciate diversity of life.

Class : VII

Subject : Biology

Final

Theme : 3 Plant life		
Learning Outcome : Children will be able to 1) Discuss and demonstrate that leaves perform the function of photosynthesis. 2) Enlist the factors affecting photosynthesis 3) Identify the difference between respiration and photosynthesis. 4) Differentiate between the aerobic and anaerobic respiration.		
Key Concepts	Name of the book : Lessons :	Life Skills
<u>Photosynthesis</u> (Definition – basic process) - Experiment to demonstrate photosynthesis process. <u>Respiration</u> Basic process, word, equation, respiration in plants. Two types, Respiration and photosynthesis in plants. Anaerobic, aerobic respiration basic concept.	4. Photosynthesis and Respiration	- Understanding needs of living organisms. - Understanding how world functions as an ecosystem. - Spark critical thinking when students observe leaf structure, stomata plant respiration.

Theme : 4 Human body		
Learning Outcome : Children will be able to 1) Define the term excretion and its significance 2) Infer that the kidneys are very important as they filter the blood. 3) Draw the outline figure of the human body and mark the location of kidney, skin, sweat gland, lungs.		
Key Concepts	Name of the book : Lessons :	Life Skills
- Excretion (definition) - Organs and their excretory products - Renal excretory system – kidneys, ureter, urinary bladder, urethra - Role of kidneys, filtration of blood through millions of nephrons. - Common disorders of urinary system. - Urinary tract infection kidney stone.	5. Excretory system (U.T-II)	- Health awareness - Optimizing their critical thinking skills in solving daily life and long life.

Theme : 4 Human body		
Learning Outcome : Children will be able to 1) Identify various parts of nervous system i.e brain, spinal cord and nerves. 2) Discuss the need of spinal cord, brain, nerves for the body 3) Relate that all parts of the body are connected to the brain through nerves.		
Key Concepts	Name of the book : Lessons :	Life Skills
• Main parts, brain, spinal cord, nerves - Brain, cerebrum, cerebellum, medulla oblongata (location and function) - Spinal cord – location and function. - Nerves – what are nerves, their general functions.	6. Nervous system	• Health awareness • Gets students thinking about how learning requires sensory input, neural processing, and practice.

Theme : 5		
Learning Outcome : Children will be able to 1) Define the term allergy and allergens and differentiate between them. 2) Identify the symptoms produced by allergens 3) Know the precautions to be taken if they suffer from any type of allergy.		
Key Concepts	Name of the book : Lessons :	Life Skills
• Concept of allergy - Allergens – common allergens like dust, pollen, particular food items. - Entry routes of allergens mouth, nose, skin. - Symptoms of allergic reactions. - Precautions and care to be taken by a person who is prone to allergies.	7. Allergy	• Health awareness • Prompt recognition of allergy and response. • Responsible about their allergies.

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HOLY CROSS SCHOOL, AGARTALA

SYLLABUS for 2025

Class : VII

Subject : Physics

Theme : 1 : Physical Quantities & Measurement		
Learning Outcome : Page – 1		
Key Concepts	Name of the book : Lessons :	Life Skills
Page 1	- Name of the book : - Concise Physics – Middle School Selina - Lesson : Ch. 1 Physical Quantities & Measurement U.T – I Half Yearly	Creative thinking, problem solving.

Theme : 2 : Light Energy		
Learning Outcome : Page – 51		
Key Concepts	Name of the book : Lessons :	Life Skills
Page – 51	- Name of the book : - Concise Physics – Middle School Selina - Lesson : Ch. 4 Light Energy Half Yearly	Cooperation & working together, problem solving.

Theme : 3 : Sound		
Learning Outcome : Page – 91		
Key Concepts	Name of the book : Lessons :	Life Skills
Page – 91	- Name of the book : - Concise Physics – Middle School Selina - Lesson : Ch. 6 Sound Half Yearly	Cooperation & working together, problem solving, critical thinking.

Theme : 4 : Force and Pressure : Motion		
Learning Outcome : Page – 19		
Key Concepts	Name of the book : Lessons :	Life Skills
Page – 19	- Name of the book : - Concise Physics – Middle School Selina - Lesson : Ch. 2 Motion Final	Problem solving, cooperation & working together.

Theme : 5: Energy		
Learning Outcome : Page – 35		
Key Concepts	Name of the book : Lessons :	Life Skills
Page – 35	- Name of the book : - Concise Physics – Middle School Selina - Lesson : Ch. 3 - Energy Final	Cooperation & working together, Problem - solving.

Theme : 6: Heat		
Learning Outcome : Page – 65		
Key Concepts	Name of the book : Lessons :	Life Skills
Page – 65	- Name of the book : - Concise Physics – Middle School Selina - Lesson : Ch. 5 - Heat U.T. II Final	Cooperation & working together, Problem - solving.

Theme : 7: Electricity & Magnetism		
Learning Outcome : Page – 108		
Key Concepts	Name of the book : Lessons :	Life Skills
Page – 108	- Name of the book : - Concise Physics – Middle School Selina - Lesson : Ch. 7 - Electricity and Magnetism Final	Problem – solving Critical thinking & working together.

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HOLY CROSS SCHOOL, AGARTALA

SYLLABUS for 2025

Class : VII

Subject : Chemistry

Half-Yearly

Ch 1 : Matter and its composition		
Learning Outcome : 1) Description of matter 2) The constituents of matter (atoms / molecules). 3) The force which keep atoms / molecules in matter together. 4) Characteristics of particles of matter 5) Different states of matter		
Key Concepts	Name of the book : ICSE, Chemistry middle school Lessons : Matter & its composition	Life Skills
- Definition of matter - Matter has mass and occupies space - Explanation - Composition of matter – brief introduction.	Matter & its composition	Cooperation and working together, drawing conclusion. i.e. – Draw a chart that depicts three forms of water – ice, water & water vapour. Show the arrangement of particles in all three forms. Also list the properties of three forms of water (cooperation & working together.) Go to your canteen & list various things available there in your notebook. Classify these things as solid, liquid gas. Explain on what basis you classified these things. (Drawing conclusion)

Ch 2 : Physical and chemical changes		
Learning Outcome : 1) Differentiate between physical and chemical changes. 2) Perform activities related to physical and chemical changes. 3) Classify changes such as respiration, preparation of solution of sugar, burning of paper ripening of fruit as physical and chemical changes. 4) Discuss that in a chemical change, a new substance with different properties formed.		
Key Concepts	Name of the book : ICSE, Chemistry Middle School Lessons :	Life Skills
- Physical & chemical changes. - Chemical change – formation of a new product with new properties. - Differentiating between physical & chemical change. - Classification as physical & chemical change. - Types of change involved when there is a change of state of matter. - Types of change involved when there is a change of energy.	Physical and Chemical changes	Problem solving, Critical thinking. i.e – Form groups of two or three students in the class. Observe your surroundings, and make a list of desirable & undesirable changes taking place around you. Think and suggest ways to prevent undesirable changes. Make a report on your observations. Search the related information & images using the internet.

Ch 3 : Elements, Compounds and Mixtures. (Unit Test.-I)		
Learning Outcome : 1) Identify elements & compounds on the basis of their properties and the type of atoms present in them. 2) Differentiate between mixtures and compounds on the basis of their properties and composition of constituents. 3) Provide examples of compounds, elements and mixtures from daily life. 4) Differentiate separation techniques of compounds of mixture. 5) Justify the reason for the use of a particular separation technique of chromatography		
Key Concepts	Name of the book : ICSE, Chemistry Middle School Lessons :	Life Skills
• Identification of elements & compounds from representation of their symbols & formula. • Difference between mixture & compounds on the basis of the chemical composition of constituents. • Types of mixtures. • The principle behind each separation technique. • Chromatography as a separation technique; paper chromatography.	Elements, Compounds and mixtures.	• Identify any ten mixtures around you. You can look for these mixtures at your home, in the school or in any other place. Categorise these mixtures based on your knowledge. Think & write the techniques that you can use to separate the components of these mixtures. If not then take help from your teacher, parents. (Critical thinking & observational skills) • Your little brother accidentally opened the boxes of raw rice and Rajma. He mixed both the things together. What will your mother do know? How will she separate them? (Application knowledge)

Class : VII

Subject : Chemistry

Final

Ch 4 : Atomic Structure (Unit Test-2)		
Learning Outcome : 1) Define atom, molecule and radical 2) The significance of valency of elements and radicals. 3) Define valency in terms of no. of hydrogen atoms combined or replaced by one atom of the element. 4) Apply the definition based on hydrogen atom to find out the valency of other elements or radicals. 5) Correlate the valency of the elements with group number of periodic table.		
Key Concepts	Name of the book : ICSE, Chemistry Middle School Lessons : Atomic Structure	Life Skills
• An atom is the smallest particle of an element. • It is not capable of independent existence. • The properties of an element depend upon the atoms constituting it. • A molecule is the smallest particle of an element or compound, capable of independent existence. • A radical is a single atom of an element or a group of atoms of different elements behaving as single unit &	•	• Critical thinking & observational skills – i.e – write the names of any ten elements & their symbols. State one use of each element. You can search for the information . Using the internet or take help from your teacher. • Sayatika's mom is a jewellery designer. She makes jewellery with silver gold metals. She sells silver jewellery cheaper than gold. Both are precious metals but why is gold more expensive than silver? Discuss.

with a change on group. • Atomicity of elements & compounds – mono atomic, diatomic etc. • Associate the first 20 elements in the periodic table with their names & symbols.		
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Ch 5 : Language of Chemistry		
Learning Outcome : 1) Identify the names of reactants and products of different chemical reactions. 2) Write a chemical reaction in the form of a chemical word equation. 3) Recognize the usefulness of a word equation.		
Key Concepts	Name of the book : ICSE, Chemistry Middle School Lessons : Language of Chemistry	Life Skills
• Chemical reactions • A chemical reaction may take place when two or more reactants come in contact with one another & transfer of energy takes place. • Characteristics of – occurrence of a chemical reaction, change of (i) colour (ii) state (iii) smell (iv) Evolution of gas (v) precipitate formed (vi) heat evolved / released • Chemical equation – writing word equations for chemical reactions & emphasize on the observation skill & name of products formed. • Some examples of word equation for practice.		• Sahil kept an egg in vinegar for a few days. The shell of the egg become very soft. Why did it happen? Discuss. • Discuss a few chemical reactions that you observe around you. List these reactions and identify the reactants and products in these reactions.

Ch 6 : Metals and Non-metals		
Learning Outcome : 1) Differentiate between metals and non-metals on the basis of their physical properties such as – luster, conduction of electricity & heat, malleability, ductility, sonority, melting & boiling point etc. 2) Describe common uses of the metals & non-metals. 3) Describe the cause of corrosion of iron & other metals. 4) List different ways of preventing corrosion. 5) List some properties & uses of metalloids.		
Key Concepts	Name of the book : ICSE, Chemistry Middle School Lessons :	Life Skills
• Metal, non-metals property	Metals and Non-metals	• Deeksha was baking a cake.

• Distinguish between metals & non metals with the general properties like heat, malleability, sonority, melting & boiling point etc. • Classification of elements as metals & non-metals. • Corrosion of iron (rusting) ways to prevent rusting. • Use of certain metals Iron, Gold, copper, aluminum, zinc, lead, magnesium) • Properties of metalloids		She used gloves to hold the container containing baked cake. Why? • List the ways in which you can take care of articles made up of iron and prevent them from rusting.
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Ch 7 : Air and Atmosphere		
Learning Outcome : 1) Air is a mixture – explain. 2) The components of air. 3) Discuss the use of Oxygen and nitrogen in different lith processes. 4) Explain from an activity that mass change takes place during combustion. 5) Express the reaction in the form of word equation 6) Describe the preparations of oxygen in the laboratory using potassium chloride / hydrogen peroxide & manganese dioxide as a catalyst.		
Key Concepts	Name of the book : ICSE, Chemistry Middle School Lessons :	Life Skills
• Air is a mixture of gases. • Composition of air & uses of its components. • Oxygen is needed for combustion. • Mass change during burning. • Word equations for reactions of metals & non-metals (S, C, P Na, K, Ca, Mg) with oxygen. • Products formed in acid rain, effects of acid rain • Distinguish between – • Respiration & combustion • Combustion & rusting	Air and Atmosphere	• List the ways in which you can contribute to reduce air pollution. • Organise a play in the class through which you can tell everyone the importance of planting trees and how it can help in preventing air pollution. • Latika took part in Master chef. She was given the task to make ice – cream in hour. Do you think this task was very easy for her? How do you think she would have completed the task?

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HOLY CROSS SCHOOL, AGARTALA

SYLLABUS for 2025

Class : VII

Subject : HISTORY & CIVICS

Half Yearly	Final
<u>HISTORY</u> Ch-1 – Medieval Europe- Rise and Spread of Christianity (Unit Test-I) Ch-2 – The Turkish invasions Ch-5 – Administration, Society and culture under the Delhi Sultanate Ch-6 – The Vijayanagara Empire and Bahamani Kingdom <u>CIVICS</u> Ch-1 – The constitution of India	<u>HISTORY</u> Ch-7 – Foundation of the Mughal Empire (Unit Test-II) Ch-8 - Akbar Ch-9 – Jahangir, Shah Jahan and Aurangzeb Ch-10 – Religions Reform movements <u>CIVICS</u> Ch-1 – Directive Principles of State policy

HOLY CROSS SCHOOL, AGARTALA

SYLLABUS for 2025

Class : VII

Subject : Geography

Half Yearly

Theme : - 1 Representation of Geographical Features		
Learning Outcome : Refer to the text book		
Key Concepts	Name of the book : Lessons : 1 Representation of Geographics Features	Life Skills
• Use of colours on Topographical sheets. • Use of scales for measurements – Types of scales. • Measuring distance on the map using scales. • Conventional signs and symbols.	• The use of colours on Topographical sheets. - Blue - water body - Red – settlement - Yellow – Agriculture - Brown – High relief - Green – Forests • Types of scales – - Representative fraction - Linear scale - Verbal statement	

Theme : 2 Atmosphere		
Learning Outcome : Refer to the text book		
Key Concepts	Name of the book : Lessons : 2. Atmosphere	Life Skills
• Introduction • Composition of the Atmosphere • Structure of Atmosphere • Greenhouse Effect: meaning & causes • Global warming - Introduction - Causes of ozone depletion - Impact of Global Warming • Ways to reduce global warming	• Composition and structure of Atmosphere – - Brief description of troposphere, stratosphere (ozone layer), Thermosphere, Mesosphere, Exosphere • Global warming – causes and depletion of ozone. • Impact of global warming	• Environmental conservation

Theme : 5 Industries		
Learning Outcome : Refer to the text book		
Key Concepts	Name of the book : Lessons : 5 Industries	Life Skills
• Introduction • Need for industries in the world. • Types of industries – Large scale, small scale cottage industries, agrobased industries. • Important industries of the world. • Pollution due to industries and its prevention.	• Important industries of the world – • Iron and steel, cotton textiles, Information Technology, Sugar Industry, ship building, fishing, automobile; • Important centres of these industries and their location on world map.	• Conservation of environment.

Theme : 7 Study of the Continents – Africa		
Learning Outcome : Refer to the text book		
Key Concepts	Name of the book : Lessons : 8. Africa	Life Skills
• Introduction • Location • Boundaries • Political divisions • Major Physical features • Locating the above on the map.	• The size, location and boundaries of Africa. • The political divisions of Africa. • The major physical features of the continent. • Plains, Rift valleys, Deserts • Rivers and lakes	•

Theme : 7 Study of the Continents – Antarctica (U.T – I)		
Learning Outcome :		
Key Concepts	Name of the book : Lessons : Antarctica	Life Skills
• Location • Boundaries • Climate • Human Void zone	• The location, boundaries continent, discovery and subsequent explorations of Antarctica. • The landscape, climate, natural vegetation wildlife and other resources of Antarctica. • Antarctica as a human void zone. • The major environmental challenges faced by Antarctica.	•

Theme : 3 Weather and climate		
Learning Outcome :		
Key Concepts	Name of the book : Lessons : 3. Weather and climate	Life Skills
• Elements of weather - Temperature - Atmospheric pressure - Humidity - Winds and clouds • Difference between weather and climate. • Weather Instruments - Thermometer - Rain gauge - Hygrometer - Barometer - Anemometer & wind vane • Isohyets and Isotherms – meaning & diagrams only	• The concepts of weather and climate and the difference between the two. • The elements of weather and how these are recorded. • The concept of Isohyets and Isotherms.	•

Theme : 4 Weathering and soil formation		
Learning Outcome :		
Refer to the text book		
Key Concepts	Name of the book : Lessons : 4. Weathering and soil formation	Life Skills
• Types of rocks (igneous, metamorphic, sedimentary) • Weathering • Types of weathering • Soil profile – importance of soil conservation, methods of soil conservation.	• Weathering, erosion and difference between them. • The different layers of soil. • The ways by which soil erosion takes place and the means that can be taken to reduce them.	• Sensitivity towards environment.

Theme : 6 Energy and power Resources.		
Learning Outcome :		
Refer to the text book		
Key Concepts	Name of the book : Lessons : 6. Energy and Power Resources.	Life Skills
• Introduction • Renewable Energy sources • Non-Renewable Energy sources. • Hydroelectric projects • Conservation of energy and power resources.	• Renewable energy sources – Solar Power, Hydro – Power and wind power. • Non – renewable Energy sources coal and petroleum. • Hydroelectric projects – names of the major hydroelectric power projects in India with the names of the river and the state in which they are located.,	• Environmental conservation.

Theme : 7 Study of the Continents – Australia (U.T – II)		
Learning Outcome : Refer to the text book		
Key Concepts	Name of the book : Longman Geography Lessons : 9 Australia	Life Skills
• Introduction • Location • Boundaries • Political divisions • Major Physical features	• The size, location and boundaries of Australia • The political divisions of Australia .	• Sensitivity towards environment.

Theme : 7 Study of the Continents – Europe		
Learning Outcome : Refer to the text book		
Key Concepts	Name of the book : Longman Geography Lessons : 7 Europe	Life Skills
• Introduction • Location • Boundaries • Political divisions • Major physical features • Locating the above on the map.	• Introduction, location, Political divisions, Physical divisions (The North – western Highlands) The Central Plains. The Central Highlands. The Alpine Mountain system, Rivers and lakes of Europe.	• Sensitivity towards environment

Geography- Map Pointing - Class : VII

Africa (Half-Yearly)

R. Congo/Zaire, Chad basin, Zambezi, L. Victoria, Sahara desert, Tibesti range, Ahaggar plat, Namib desert, Kalahari desert, R. Nile, White Nile, Blue Nile, R. Zaire, R. Niger, R. Zambezi

R. Orange, R. Limpopo, L. Nanyasa, Tanganyika, Kivu, Edward, Albert, Mediterranean sea, G. Of Guinea, Mozambique channel, Adamawa desert, Eastern desert, South Atlantic ocean, Cape of good hope, L. Tana, Delta of Nile, G. of Sirte, Ivory Coast, Equator, Tropic of Cancer, Tropic of Capricorn, Prime Mediterranean, Cape Agulhas, Red sea, Indian ocean, North Atlantic ocean, Strait of Gibraltar, Str. Of Bab-el-Mandeb, G. Of Suez, Atlas Mountain, Mt. Kilimanjaro, Mt. Kenya, Drakensberg mountain, Ethiopian highlands, Kalahari desert

Australia (2nd Unit Test)

Timor sea, Exmouth Gulf, Hamersley range, Mt. Augustus, Shark Bay, Victoria Range, Darling Range, Musgrave Range, Eyre peninsula, R. Murray, R. Murrumbidgee, Blue Mountains, Mt. Kosciuszko, Tropic of Capricorn, Indian Ocean, Bass Strait, Encounter Bay, R. Darling, Great Dividing Range, L. Eyre, L. Torrens, Macdonnell Ranges, Great Barrier Reef, Pacific Ocean, Great Sandy desert, R. Mitchell, Melville island, Torrens strait, Spencer gulf, L. Moore.

Europe (Final)

Ural Mountains, Caucasus Mountains, Black Sea, Caspian Sea, Strait of Gibraltar, Mediterranean Sea, Scandinavian Highlands, R. Rhine, R. Danube, R. Dnieper, R. Don, R. Volga, R. Ural, R. Rhone, Bay of Biscay, Baltic Sea, White Sea, Mt. Vesuvius, Mt. Etna, Mt. Blanc, Mt. Elbrus, Sierra Nevada, Cantabrian Mountains, Pyrenees, Apennines, Carpathians, Balkan Mountains, Pindus Mountains, Oder, Guadalquivir, Tagus, Douro, Ebro, Garonne, Weser, R. Elbe, R. Vistula, English channel, North Sea, Sea of Azov, Lake Ladoga, Lake Onega, Lake Peipus, Arctic Ocean, Arctic circle, North Atlantic Ocean.

Antarctica – UT-I (Map from Book)

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Holy Cross School Agartala

Syllabus: Computer Science and Artificial Intelligence-2025

Class -VII

Chapter Number	Chapters Name	Half yearly-2025	Exams
Chapter-7	Introduction to Python	Python Programs: 1. Simple Basic programs. 2. Geometric figure to calculate area and perimeter. 3. Single For Loop Programs. 4. Series Program using single for loop 5. Numerical Program 6. Mathematical Logic Based Program 7. Outputs using single for loop related to python	Unit test-I Life Skill: ❖ Understanding ❖ Problem solving ❖ Critical thinking
Chapter-2	Computer Virus	Learning Outcome: ❖ Virus ❖ Types of Viruses ❖ Firewall ❖ Virus Attack ❖ Antivirus	Life Skill: ❖ Understanding ❖ Problem solving ❖ Critical thinking
Chapter-1	Number System	Learning Outcome: ❖ Number Types ❖ Conversion of Numbers	Life Skill: ❖ Understanding ❖ Problem solving ❖ Critical thinking
		Annual Exam-2025	Exams
Chapter-3	MS Excel 2016-Advanced Features	Learning outcomes: ❖ Formulas ❖ Enter data ❖ Formatting data ❖ Data types ❖ Shortcut keys	Unit Test-II Life Skill: ❖ Understanding ❖ Problem solving ❖ Critical thinking
Chapter-7	Introduction to Python Repeated Chapter	Python Programs: 1. Simple Basic programs. 2. Geometric figure to calculate area and perimeter. 3. Single For Loop & While loop Programs. 4. Series Program using single for loop 5. Numerical Program 6. Mathematical Logic Based Program	Life Skill: ❖ Understanding ❖ Problem solving ❖ Critical thinking

		7. Digit Based Programs While loop . 8. Outputs using single for loop and single while loop related to python	
Chapter-8	Artificial Intelligence	Learning Outcome: ❖ What is Intelligence ❖ AI, ML and DL ❖ Neural Network ❖ Robots ❖ Application of AI in different field	Life Skill: ❖ Understanding ❖ Problem solving ❖ Critical thinking ❖ Logical thinking ❖ Application
Chapter-11	Mobile App Development	Learning Outcome: ❖ WhatsApp, telegram ❖ Mobile OS ❖ Android ❖ iOS ❖ Apple iOS ❖ Play store ❖ App Store	Life Skill: ❖ Understanding ❖ Problem solving ❖ Critical thinking ❖ Logical thinking ❖ Application

Categories:

Computer Application (Half Yearly)	Computer Application (Annual)
1. Number System (Chapter-1) 2. Computer Virus (Chapter-2)	1. MS Excel 2016-Advanced Features (Chapter-3) 2. Mobile App Development (Chapter-11)
Artificial Intelligence (Half yearly)	Artificial Intelligence (Annual)
1. Introduction to Python (Chapter-7) Python Programs and Outputs	1. Artificial Intelligence (Chapter-8) 2. Introduction to Python (Chapter-7) Python Programs and Outputs

HOLY CROSS SCHOOL, AGARTALA
SYLLABUS for 2025

Class : VII Subject : GK

Theme :		
Learning Outcome :		
Key Concepts	Name of the book : Lessons :	Life Skills
	<u>HALF YEARLY EXAMINATION</u> <u>G.K</u> Page No. 1 to 45	

Theme :		
Learning Outcome :		
Key Concepts	Name of the book : Lessons :	Life Skills
	<u>FINAL EXAMINATION</u> <u>G.K</u> Page No. 46 to End	

HOLY CROSS SCHOOL, AGARTALA
SYLLABUS for 2025

Class : VII Subject : Moral Science

Theme :		
Learning Outcome :		
Key Concepts	Name of the book : Lessons :	Life Skills
	<u>HALF YEARLY EXAMINATION</u> 1. MORAL SCIENCE Ch. 1A & 1 B - (Cultivation of values) Ch. 2A & 2B (True friendship) Ch. 3 A & 3B (Happiness)	

Theme :		
Learning Outcome :		
Key Concepts	Name of the book : Lessons :	Life Skills
	<u>FINAL EXAMINATION</u> 1) Moral Science Do your best, leave the rest (4A, 4B) Learning from oneself (5A, 5B) Human life, humane life (6A, 6B) India's contribution to the world (7A, 7B)	

HOLY CROSS SCHOOL, AGARTALA
SYLLABUS for 2025

Class : VII Subject : SUPW & Drawing

Half Yearly	Final
A) Book of Art & Craft Page No. 7 to 25 C/W, 26 to 41 H/W	A) Book of Art & Craft Page No. 42 to 60 C/W, 61 to 75 H/W
B) Project work – Making a hand bag	B) Project work – Making Artificial flowers - No. 10 by using a piece of cloth