



BANGLADESH SCHOOL MUSCAT

YEARLY SYLLABUS-AY (2024-25)

CLASS: IX SCIENCE

SUBJECTS
BANGLA
ENGLISH (MODULAR)
MATHEMATICS
HUMAN BIOLOGY
ICT/ART
FURTHER PURE MATH
PHYSICS
CHEMISTRY
BIOLOGY

CLASS: IX

SUBJECT: BANGLA

পাঠ্য বই	প্রথম সাময়িক	দ্বিতীয় সাময়িক	তৃতীয় সাময়িক
<ul style="list-style-type: none">সাহিত্য সংকলনবাংলা ভাষার ব্যাকরণ ও নির্মিতি	ক) অনুবাদ খ) গদ্য ১। প্রত্নপকার ২। আঙনের পরশমনি গ) পদ্য ১। দুই বিঘা জমি ঘ) প্রবন্ধ রচনা ঙ) ইমেইল চ) বাংলা বাগধারা ছ) বিপরীত শব্দ জ) বোধ পরীক্ষণ	ক) অনুবাদ (প্রশ্নব্যাংক) খ) গদ্য ১। পল্লি সাহিত্য ২। আম আঁটির ভেঁপু গ) পদ্য ১। আমার পরিচয় ঘ) প্রবন্ধ রচনা ঙ) ইমেইল চ) অনুচ্ছেদ রচনা ছ) সরল , জটিল ও যৌগিক বাক্য জ) বোধ পরীক্ষণ	ক) অনুবাদ (প্রশ্নব্যাংক) খ) গদ্য ১। দেনাপাওনা ২। উদ্যম ও পরিশ্রম গ) পদ্য ১। মানুষ ঘ) প্রবন্ধ রচনা ঙ) ইমেইল চ) অনুচ্ছেদ রচনা ছ) সংখ্যাবাচক শব্দ জ) বোধ পরীক্ষণ
মান বণ্টন	<u>১ম সাময়িক</u> ১ম সাময়িক সমাপনী পরীক্ষা ১০০	<u>২য় সাময়িক</u> ২য় সাময়িক সমাপনী পরীক্ষা ১০০	<u>৩য় সাময়িক</u> ৩য় সাময়িক সমাপনী পরীক্ষা ১০০
	মোট ১০০	মোট ১০০	মোট ১০০

* প্রয়োজনে পাঠ্যসূচি পরিবর্তন ও পরিবর্ধন সাপেক্ষ।

CLASS: IX

SUBJECT: ENGLISH

Name of the book	Term 1	Term 2	Term 3
<p>1. Anthology- Specification A (4EAO)</p> <p>Extended Writing</p>	<p>a. The Danger of a single story (Non-Fiction)</p> <p>b. From Between a Rock and a Hard Place (Non-Fiction)</p> <p>c. Chinese Cinderella (Non-Fiction) Revision</p> <p>d. Explorers or boys messing about? Either way, taxpayers gets rescue bill (Non-Fiction) Revision</p> <p>Writing to Entertain, Explore, Imagine Transactional Writing (text of a speech/blog entry/news paper article/letters/magazine article/diary entry) Imaginative Texts (story/personal experience/on images)</p>	<p>a. From Beyond the Sky and the Earth: A Journey into Bhutan (Non-Fiction)</p> <p>b. Young and dyslexic? You've got it going on (Non-Fiction)</p> <p>c. The Explorer's daughter (Non-Fiction) Revision</p> <p>Writing to Inform, Explain, Describe Transactional Writing (text of a speech/blog entry/news paper article/letters/magazine article/diary entry) Imaginative Texts (story/personal experience/on images)</p>	<p>a. From H is for Hawk (Non-Fiction)</p> <p>b. A Passage to Africa- (Non-Fiction)</p> <p>c. A Game of Polo with a Headless Goat (Non-Fiction) Revision</p> <p>Writing to Argue, Persuade, Advise Transactional Writing (text of a speech/blog entry/news paper article/letters/magazine article/diary entry)</p> <p>Imaginative Texts (story/personal experience/on images)</p>

Types of Questions & Distribution of Marks	Formative Marks-20 Mock 1 Paper 1(2hrs.15min) Section A -Unseen Comprehension (11 marks) -Non Fiction(12 marks) - comparing question(22 marks) Section B- Extended writing (45 marks) Total Marks: 90	Formative Marks-20 Qualifying Examination Paper 1(2hrs.15min) Section A -Unseen Comprehension (11 marks) -Non Fiction(12 marks) - comparing question(22 marks) Section B- Extended writing (45 marks) Total Marks: 90	Formative Marks-20 Revision Test Paper 1(2hrs.15min) Section A -Unseen Comprehension (11 marks) -Non Fiction(12 marks) - comparing question(22 marks) Section B- Extended writing (45 marks) Total Marks: 90
---	---	---	--

➤ **Syllabus subject to change under unavoidable circumstances**

CLASS: IX**SUBJECT: MATHEMATICS**

Name of the Book	Term 1	Term 2	Term 3
<p>Edexcel International IGCSE(9-1) Mathematics A Book 1 & 2</p>	<p>Topic- 1: Algebra 6 – Proportion & Indices (Ex 1 - 4*) (Book – 2)</p> <p>Topic – 2: Shape and space 1 & 6: Triangles, Polygons, Similar triangles , Circle theorem (Book 1 & 2)</p> <p>Topic – 3: Sets 2-(Book - 1 & 2) Three sets problem</p> <p>Topic-4: Handling Data –3 & 5 ; Quartiles, Cumulative frequency, Probability.</p> <p>Topic – 5: Algebra 7 – Solving by quadratic formula and completing square [Book 2]Ex: 1 to 7*</p> <p>Topic-6: Graph 5 (Book -1) Inequality graphs.</p> <p>Revision of class VIII (Book -1: Sets, Circle theorem, Algebra 5)</p>	<p>Topic- 1: Shape and space – 7(Circle theorem, similar shapes, solids) – Book -2</p> <p>Topic- 2: Sets – 3, Probability, Conditional probability. Book 2</p> <p>Topic- 3: Graphs – 7, Quadratic equation. (Book – 2)</p> <p>Topic- 4: Shape and Space 5 (Transformations) Book- 1</p> <p>Topic-5: Number – 10: Surds, (Book – 2)</p> <p>Topic-6: Number – 7 (Recurring decimal)</p> <p>Revision: Algebra – 7; Using graph to solve quadratic equations.</p>	<p>Topic- 1: Algebra – 8. Functions. Book 2</p> <p>Topic-2: Algebra 10, [Book – 2]</p> <p>Topic-3: Algebra 7-(Book 2) Solving Quadratic Inequalities</p> <p>Topic - 4: Algebra – 9, Solving linear and non- linear equations. [Book -2]</p> <p>Topic - 5: Shape and space – 10- Graphs of sine, cosine and tangent; Area of triangle</p> <p>Topic – 6: Sequences. Topic – 7: Handling data- 6 (Histogram) Book 2</p> <p>Revision classes: Algebra-, Algebra -7, Shape and spaces- 7(Circle, solids, similar shapes), Algebra-10(Book-2) Handling data – 5(Probability)</p>
<p>Types of questions and distribution of marks.</p>	<p>Term End Exam-200 Paper 1HR Marks-100 Paper 2HR Marks-100 Based on IGCSE specifications.</p>	<p>Term End Exam200 Paper 1HR Marks-100 Paper 2HR Marks-100 Based on IGCSE specifications.</p>	<p>Term End Exam-200 (Paper 1HR Marks-100 Paper 2HR Marks-100 Based on IGCSE specifications.</p>

➤ **Syllabus subject to change under unavoidable circumstances**

CLASS: IX

SUBJECT: ICT

Name of the book	Term 1	Term 2	Term 3
<p>EDEXCEL International GCSE (9-1) Information and Communication Technology Student Book</p>	<p><u>UNIT 3 : OPERATING ONLINE</u> <u>Chapter -7: Impact of the internet</u></p> <p>Impact of the internet on individuals, impact of the internet on organisation, impact of the internet on Society .</p> <p><u>UNIT 5 : Applying ICT</u> <u>Chp 13 : Applying ICT</u></p> <p>Effective and appropriate use of software , different types of data , checking content , evaluation .</p> <p>Revision</p>	<p><u>UNIT 3 : OPERATING ONLINE</u> <u>Chapter - 8 : Online communities</u></p> <p>Features and functions of different online communities.</p> <p><u>Chapter - 9 :The implications of digital technologies</u></p> <p>Data protection, copyright legislation, monitoring individuals, health and safety issues.</p> <p><u>Chapter- 10 : Online information</u></p> <p>Information sources ,Search engines ,Fitness purpose, copyright, Plagiarism.</p> <p>Revision</p>	<p><u>UNIT 2 : Connectivity</u> <u>Chp - 4 : Digital Communication</u> Speed and volume of data transfer, device to device communication, network communication .</p> <p><u>UNIT 4 :ONLINE GOODS AND SERVICES</u></p> <p><u>Chapter - 11 : Online services</u> Types of services, the impact on lifestyle and behaviour, the impact on the way that organisations do business, transactional data.</p> <p><u>Chapter-12 : The Cloud</u> Hosted applications software, Online data storage, the impact of the cloud.</p> <p>Revision</p>
<p>Distribution of Marks</p>	<p>Term End Examination: Theory:100 ,Practical:100 (IGCSE Pattern) (Internal Assessment)</p>	<p>Term End Examination: Theory:100 ,Practical:100 (IGCSE Pattern) (Internal Assessment)</p>	<p>Term End Examination: Theory:100 ,Practical:100 (IGCSE Pattern) (Internal Assessment)</p>

➤ **Syllabus subject to change under unavoidable circumstances**

CLASS: IX

SUBJECT: FURTHER PURE MATHEMATICS

Name of the book	Term 1	Term 2	Term 3
IGCSE (9 - 1) FURTHER PURE MATHEMATICS: ALI DATOO, GREG AATWOOD. STUDENT BOOK.	Chapter 1: Surds and Logarithmic Functions Chapter 2: Quadratic Function Chapter 3: Inequalities and Identities Chapter 4: Sketching Polynomials,	Chapter 5: Sequence and Series. Chapter 6: The binomial Series Chapter 8: Rectangular and Cartesian Coordinates. Revision: Chapter – 4	Chapter 9: Differentiation and its Application from Chapter- 10 (EX-2 & 5) Revision: Chapter -1, 2, 6 and 8
Types of questions and distribution of Marks	Formative assessment :20 marks Term End Exam :100 marks	Formative assessment :20 marks Term End Exam :100 marks	Formative assessment :20 marks Term End Exam :100 marks

➤ **Syllabus subject to change under unavoidable circumstances**

CLASS: IX

SUBJECT: PHYSICS

Name of the book	Term 1	Term 2	Term 3
<p>EDEXCEL INTERNATIONAL GCSE (9-1) PHYSICS Student Book By- Brian Arnold, Penny Johnson, Steve Woolley</p>	<p>Topic 1: Static electricity</p> <ul style="list-style-type: none"> - How to charge an atom - Charging by friction insulators and metals - Electrostatic induction - Uses and dangers <p>Topic 2: Current Electricity</p> <ul style="list-style-type: none"> - Definitions of Voltage, Current, Ohm’s law and verification - Series and Parallel Circuit - Types of Resistors, applications and their I–V graphs - Electric power and energy. - Applications <p>Revision (Class8 work) Movement and position Forces, movement, shape</p>	<p>Topic 3: Mains electricity</p> <ul style="list-style-type: none"> - Recall the hazards of electricity - Protection strategies : double insulation, earthing, fuses and circuit breakers - alternating current (a.c.) and direct current (d.c.) <p>Topic 4: Magnetism -Electromagnet</p> <ul style="list-style-type: none"> - Magnetic Field <p>-Magnetic and nonmagnetic magnetic materials, Magnetically hard and soft materials</p> <ul style="list-style-type: none"> - Electromagnetism and applications - magnetic force Fleming’s left hand rule and applications <p>Topic 5: Electromagnetic induction</p> <ul style="list-style-type: none"> - Faraday’s experiment - Transformers and applications (eg: dynamo) <p>Revision (Class 8 work) Properties of waves/ electromagnetic spectrum/ Light and sound</p>	<p>Topic 6: Motion in the universe</p> <ul style="list-style-type: none"> - Planets, moons, comets - Understand gravitational field strength Orbital speed, orbital radius and time period - Galaxies and the universe <p>Topic 7: Stellar Evolution</p> <ul style="list-style-type: none"> - Evolution of stars - Hertzsprung- Russell Diagram <p>Topic 8: Cosmology</p> <ul style="list-style-type: none"> - Evolution of the universe - Red shift <p>Evolution of the universe</p> <p>Revision (Class 8 work) Solids, liquids and gases Energy transfers</p>
<p>Distribution of Marks</p>	<p>Term End Exam</p> <p>Paper I - 110</p> <p>Paper II - 70</p> <p>(IGCSE pattern)</p>	<p>Term End Exam</p> <p>Paper I - 110</p> <p>Paper II - 70</p> <p>(IGCSE pattern)</p>	<p>Term End Exam</p> <p>Paper I - 110</p> <p>Paper II - 70</p> <p>(IGCSE pattern)</p>

➤ **Syllabus subject to change under unavoidable circumstances**

CLASS: IX

SUBJECT: CHEMISTRY

Name of the book	Term 1	Term 2	Term 3
Edexcel International GCSE (9-1) by Jim Clark, Stewe Owen, Rachel Yu	Topic 1: Reactivity Series Topic 2: Gases in the Atmosphere Topic 3: Chemical formula, equation and calculations Topic 4: Acids, alkalis and titrations	Topic 1: Acids, bases and salt preparations Topic 2: Chemical Tests Topic 3: Alcohols Topic 4: Carboxylic acids Topic 5: Esters	Topic 1: Rate of Reaction Topic 2: Reversible reaction and Equilibria Topic 3: Energetics Topic 4: Synthetic polymers
Types of Questions and Distribution of Marks	Paper 1: 110 Marks Paper 2: 70 Marks (IGCSE (9-1) Pattern)	Paper 1: 110 Marks Paper 2: 70 Marks (IGCSE (9-1) Pattern)	Paper 1: 110 Marks Paper 2: 70 Marks (IGCSE (9-1) Pattern)

➤ **Syllabus subject to change under unavoidable circumstances**

CLASS: IX**SUBJECT: BIOLOGY**

Name of the book	Term 1	Term 2	Term 3
<p>1. Edexcel IGCSE Biology Student Book (9-1)</p> <p>2. IGCSE Biology Revision Guide</p> <p>3. IGCSE Biology Question Bank</p>	<p>Topic -1: Blood and circulation</p> <p>Topic -2: Homeostasis and excretion</p> <p>Topic -3: Genes and inheritance</p> <p>Topic -4: Chemical coordination</p> <p>Practical work</p> <p>Activity: Parts of the Kidney</p>	<p>Topic -1: Breathing and gas exchange</p> <p>Topic -2: Coordination</p> <p>Topic -3: Genetic modification</p> <p>Topic-4 : Transport in plants</p> <p>Topic 5: Protein synthesis</p> <p>Practical work</p> <p>Activity: Reflex Arc</p>	<p>Topic -1: Food and Digestion</p> <p>Topic -2: Natural Selection and Evolution</p> <p>Topic -3: Human influences on the environment</p> <p>Topic -4: Reproduction in humans</p> <p>Practical work</p> <p>Activity: Global warming</p>
<p>Distribution of marks</p>	<p>Paper 1 110 Paper 2 70 (Questions as per IGCSE pattern)</p>	<p>Paper 1 110 Paper 2 70 (Questions as per IGCSE pattern)</p>	<p>Paper 1 110 Paper 2 70 (Questions as per IGCSE pattern)</p>

➤ **Syllabus subject to change under unavoidable circumstances**