



BANGLADESH SCHOOL MUSCAT

YEARLY SYLLABUS-AY (2026-27)

CLASS: IX SCIENCE

SUBJECTS
BANGLA
ENGLISH (MODULAR)
MATHEMATICS (MODULAR)
HUMAN BIOLOGY
ICT
FURTHER PURE MATH
PHYSICS (MODULAR)
CHEMISTRY (MODULAR)
BIOLOGY (MODULAR)
OMANI DIALECT

Grade: IX		Subject: Bangla	
পাঠ্য বই	প্রথম সাময়িক	দ্বিতীয় সাময়িক	তৃতীয় সাময়িক
- সাহিত্য সংকলন - বাংলা ভাষার ব্যাকরণ ও নির্মিতি	ক) অনুবাদ খ) গদ্য ১। প্রত্নপকার ২। আমাদের নতুন গৌরব গাথা গ) পদ্য ১। প্রাণ ঘ) প্রবন্ধ রচনা ঙ) ইমেইল চ) অনুচ্ছেদ রচনা ছ) বাংলা বানান রীতি। জ) বোধ পরীক্ষণ	ক) অনুবাদ (প্রশ্নব্যাংক) খ) গদ্য ১। পল্লি সাহিত্য ২। আম আঁটির ভেঁপু গ) পদ্য ১। জুতা আবিষ্কার ঘ) প্রবন্ধ রচনা ঙ) ইমেইল চ) অনুচ্ছেদ রচনা ছ) সরল, জটিল ও যৌগিক বাক্য জ) বোধ পরীক্ষণ	ক) অনুবাদ (প্রশ্নব্যাংক) খ) গদ্য ১। বনমানুষ ২। উদ্যম ও পরিশ্রম গ) পদ্য ১। মানুষ ঘ) প্রবন্ধ রচনা ঙ) ইমেইল চ) অনুচ্ছেদ রচনা ছ) সংখ্যাবাচক শব্দ ও যতিচিহ্ন জ) বোধ পরীক্ষণ
মান বণ্টন	১ম সাময়িক ১ম সাময়িক সমাপনী পরীক্ষা ১০০	২য় সাময়িক ২য় সাময়িক সমাপনী পরীক্ষা ১০০	৩য় সাময়িক ৩য় সাময়িক সমাপনী পরীক্ষা ১০০
	মোট ১০০	মোট ১০০	মোট ১০০

➤ প্রয়োজনে পাঠ্যসূচী পরিবর্তন ও পরিবর্ধন সাপেক্ষ।

Grade: IX		Subject: English	
Name of the Book	Term 1	Term 2	Term 3
1.Anthology-Specification A (4EAO)	a. The Danger of a single story (Non-Fiction) b. From Between a Rock and a Hard Place (Non-Fiction) c. From H is for Hawk (Non-Fiction)	a. A Passage to Africa (Non-Fiction) b. Young and dyslexic? You’ve got it going on (Non-Fiction) c. The Explorer’s daughter (Non-Fiction) Revision	a. A Game of Polo with a Headless Goat (Non-Fiction) Revision From Beyond the Sky and the Earth: A Journey into Bhutan (Non-Fiction) Revision b. Chinese Cinderella (Non-Fiction) Revision c. Explorers or boys messing about? Either way, taxpayers get rescue bill (Non-Fiction) Revision
Extended Writing	Writing to Entertain, Explore, Imagine Transactional Writing (text of a speech/blog entry/newspaper article/letters/magazine article/diary entry) Formative test/ Revision	Writing to Inform, Explain, Describe Transactional Writing (text of a speech/blog entry/newspaper article/letters/magazine article/diary entry) Formative test/ Revision	Writing to Argue, Persuade, Advise Transactional Writing (text of a speech/blog entry/newspaper article/letters/magazine article/diary entry) Formative test/ Revision
Types of Questions & Distribution of Marks	Mock 1 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	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	Mock 2 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

- Syllabus is subject to change under unavoidable circumstances
- 50% of the questions asked in the exams will be unseen, but similar to those done in class.

Grade: IX		Subject: Modular Math - 1	
Name of the books	Term 1	Term 2	Term 3
EDEXCEL INTERNATIONAL IGCSE (9-1) MATHEMATICS A BOOK 1 & 2	Topic- 1: Algebra 6 [Book 2] ❖ Indices Ex: 4 and Ex:4*	Revision: Selected Modular 1H specification topics from past papers (Question Bank Book)	Revision: Modular1H specification topics from past papers (Question Bank Book)
	Topic -2: Number -7 [Book 2] ❖ Recurring Decimal Ex:1 and Ex:1*		
	Topic- 3: Number -5 [Book 1] ❖ Upper and Lower Bound Ex: 3 and Ex:3*		
	Topic -4: Shape & Space 10 [Book 2] ❖ Trigonometric Graphs ❖ Sine & Cosine Rule ❖ Area of a triangle		
	Topic-5: Shape & Space 7 [Book 2] ❖ Circles ❖ Arcs –Arc Length and Sector area		
	Topic- 6: Shape and space 9 [Book 2] ❖ 3D Trigonometry		
	Topic – 7: Algebra 7 [Book 2] ❖ Ex: 1 to 7*		

	Topic-8: Number 10 [Book 2] ❖ Surds Topic -9: Handling data 6 [Book 2] ❖ Drawing Histograms ❖ Interpreting Histograms Topic -10: Handling Data 5 [Book 2] ❖ Laws of Probability ❖ Combined Events ❖ Independent Events And ❖ Tree Diagrams ❖ Conditional Probability Topic -11: Algebra 10 [Book 2] Topic -12: Graph 6 [Book 2] ❖ Cubic and Reciprocal graphs Revision: Modular 1H specification topics from past papers (Question Bank Book)		
Distribution of marks	Formative test :20 marks Term End Exam :100 marks	Formative test :20 marks Term End Exam :100 marks	Formative test :20 marks Term End Exam :100 marks

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Grade: IX**Subject: Human Biology**

Name of the book	Term 1	Term 2	Term 3
1. Edexcel IGCSE Human Biology Student Book (9-1) 2. IGCSE Human Biology Question Bank	Topic:1 Internal transport. • Double circulatory system • Structure and function of human heart. • Arteries, veins and capillaries. • Composition of blood and blood groups. • Coronary heart disease and some other disorders of cardiovascular system. • Monoclonal antibodies. Topic: 2 Homeostasis and excretion. • Concept of homeostasis, excretion • The urinary system. • Structure of nephron and ultrafiltration in Bowman's capsule. • Kidney failure and dialysis. • The skin and control of body temperature.	Topic:1 Respiration and gas Exchange • Respiration releases energy. • The structure of the gas exchange system and measuring breathing volume. • Effects of smoking Topic:2 Heredity • Genes and alleles. • Genetic crosses. • Codominance. • Sex linked genes • Gene therapy Topic:3 Sensory receptors- The eye and the ear • Stimulus and response. • The eye. • The ear.	Topic:1 Microorganisms • Diseases caused by pathogenic microorganisms. • Defence against disease- Immunity. • Sewage treatment. Topic:2 Reproduction. • Human reproductive system. • Hormones controlling reproduction. • Contraception Topic: 3 Internal transport (Revision)

	Topic: 3 Coordination • Central nervous system, reflex actions, synapse and diseases of brain. • Chemical coordination Topic 4: Biological molecules • Structure of carbohydrates, proteins and lipids and tests. • Enzymes controlling reactions in the cell. • Immobilized enzymes. Practical & Activity 1. Investigate the effect of exercise on the pulse rate. 2. Investigate the presence of starch in a food sample.	Topic: 14 Cells • Cell structure • Chromosome, genes and DNA. • The stages of protein synthesis. • Cell division. • Differentiation of cells. • Genetic engineering. Practical & Activity 1. Investigate human responses to external stimuli. 2. Create a simple 3D model of DNA and understand its double-helix structure.	Practical & Activity 1. Draw a Mini Sewage Treatment Plant on a chart paper. 2. Make a project on “Microbial Pathogens and Human Diseases: Understanding Causes, Spread, and Prevention”
Distribution of marks	Paper 1: 90 marks Paper 2: 90 marks Total marks: 180 marks (Questions as per IGCSE pattern)	Paper 1: 90 marks Paper 2: 90 marks Total marks: 180 marks (Questions as per IGCSE pattern)	Paper 1: 90 marks Paper 2: 90 marks Total marks: 180 marks (Questions as per IGCSE pattern)

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Grade: IX**Subject: ICT**

Name of the book	Term 1	Term 2	Term 3
EDEXCEL International GCSE (9-1) Information and Communication Technology Student Book (PETE BELL)	<u>Theory:</u> Unit 3: Operating Online <u>Chapter 7- Impact of the Internet</u> • Impact of the internet on individuals • Online working from home • Impact of the internet on organizations • Impact of the internet on society <u>Chapter 9 – The Implications of Digital Technologies</u> Implications of the use of digital technologies <u>Practical:</u> Database Management (Chapter 20) & Edexcel ICT Past Papers	<u>Theory:</u> Unit 3: Operating Online(contd) <u>Chapter 8 - Online Communities</u> • Types of online communities • Use of online communities <u>Chapter 10 – Online Information</u> Availability of information online and the use of online information <u>Practical:</u> Revision (Edexcel ICT Past Papers)	<u>Theory:</u> Unit 4: Online Goods and Services <u>Chapter 11- Online Services</u> • Types of services • Impact of online services <u>Chapter 12- The Cloud</u> Online software Unit 5: Applying Information and Communication Technology <u>Chapter 13- Applying ICT</u> • Software applications • Data and information • Using software applications • Reviewing outcomes <u>Practical:</u> Revision (Edexcel ICT Past Papers)
Distribution of Marks	Term End Examination Theory 100 marks Practical 100 marks (IGCSE Pattern) (Internal Assessment)	Term End Examination Theory 100 marks Practical 100 marks (IGCSE Pattern) (Internal Assessment)	Term End Examination Theory 100 marks Practical 100 marks (IGCSE Pattern) (Internal Assessment)

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Grade: IX**Subject: Further Pure Mathematics**

Name of the books	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	Chapter 9: Differentiation and its application from Chapter-10(EX-2 & 5) And revision: CH -1, 2, 6 and 8
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

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Grade: IX**Subject: Physics**

Name of the book	Term 1	Term 2	Term 3
EDEXCEL INTERNATIONAL GCSE (9-1) PHYSICS Student Book By- Brian Arnold, Penny Johnson, Steve Woolley	Mains electricity: • Use of insulation, double insulation, earthing, fuses and circuit breakers; • Current in a resistor result in the electrical transfer of energy; Relationship: $P=V \times I$, $E=V \times I \times t$; alternating current (a.c.) and direct current (d.c.) Energy and voltage in circuits: • Series or parallel circuit; relationship between current and voltage in series circuit. • How current varies with voltage in wires, resistors, metal filament lamps and diodes, effect of changing resistance on the current in a circuit Energy and voltage in circuits: • Variation of resistance of light-dependent resistors (LDRs) with illumination and thermistors with temperature; lamps and LEDs can be used to indicate the presence of a current in a circuit; Relationship $V=IR$, $Q=It$, $E=Q \times V$ Electric Charge: • Electrical conductors or insulators. • Insulating materials can be charged by friction. • Forces between unlike charges like charges • Uses and Dangers of electrostatic charges	Momentum: • Relationship between momentum, mass and velocity $P = m \times v$, conservation of momentum. • Relationship between force, change in momentum and time taken $F = (mv - mu) / t$, momentum to explain safety features, Newton's third law Energy resources and electricity generation: • Generating electricity using wind, water, geothermal resources, solar heating systems, solar cells, ect.... • Advantages and disadvantages of methods of large-scale electricity production from various renewable and non-renewable resources. Revision: • Forces and motion • Energy resources and energy transfer • Solids, liquids and gases: Part 1	Full Revision & Practice Past Papers

	Experiments 1. Investigate Resistance of a Filament Lamp 2. Investigate Resistance of thermistor and LDR 3. Investigate how insulating materials can be charged by friction.	Experiments 1. Plotting Distance -time Graphs for a toy car 2. Law of conservation of momentum. 3. Thermal conduction of different metals 4. specific heat capacity of materials including water 5. Best absorbers and radiators of heat radiation. 6. Hooke's law experiment	
Distribution of Marks	<u>MOCK 1 Exam</u> Total Marks- 90 (International GCSE Pattern) Question- 60% from first term syllabus 40% from second term syllabus of grade VIII Written examination: 1 hour and 40 minutes	<u>Qualifying Exam</u> Total Marks- 90 (International GCSE Pattern) Question- Full syllabus of International GCSE (Modular) Written examination: 1 hour and 40 minutes	<u>MOCK 2 Exam</u> Total Marks- 90 (International GCSE Pattern) Question- Full syllabus of International GCSE (Modular) Written examination: 1 hour and 40 minutes

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	Revision of topics according to IGCSE specification	Topic 10: Chemical formulae, equations and calculations (part 1, 2) (Revision) Organic Chemistry Topic 11: Introduction to Organic Chemistry (Revision) Topic 12: Crude oil (Revision) Topic 13: Alkanes (Revision) Topic 14 : Alkenes (Revision) Practical: Separation Techniques Revision of topics according to IGCSE modular specification	
Distribution of marks	<u>Mock 1 Exam</u> Total Marks: 90 (Questions as per IGCSE in Chemistry Modular pattern)	<u>Qualifying Exam</u> Total Marks: 90 (Questions as per IGCSE in Chemistry Modular pattern)	<u>Mock 2 Exam</u> Total Marks: 90 (Questions as per IGCSE in Chemistry Modular pattern)

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Grade: IX		Subject: Biology	
Name of the books	Term 1	Term 2	Term 3
1. Edexcel IGCSE Biology Student Book (9-1) 2. IGCSE Biology Revision Guide 3. IGCSE Biology Question Bank	Unit 2: Animal Physiology • Food and digestion • Breathing and gas exchange • Homeostasis and Excretion Unit 3: Plant Physiology • Plants and food (revision) Unit 1: Organisms And Life Processes • Life processes (revision) <u>Practical work & Activity</u> • Investigate the effect of exercise on breathing rate. • Investigate food samples for the presence of starch Revision of topics according to IGCSE modular specification	(All topics of Unit1) Unit 1: Organisms And Life Processes • Life processes • The variety of living Organisms Unit 2: Animal Physiology • Food and digestion • Breathing and gas exchange Unit 3: Plant Physiology • Plants and food Revision of topics according to IGCSE modular specification (Biology unit 1)	Topic wise Revision according to IGCSE modular Specification (Biology unit 1) Solving IGCSE question papers from Question Bank AO1, AO2 and AO3 based revision

Distribution of marks	<u>Mock 1</u>	<u>Qualifying examination</u>	<u>Mock 2</u>
	Total marks 90 (Questions as per IGCSE pattern)	Total marks 90 (Questions as per IGCSE pattern)	Total marks 90 (Questions as per IGCSE pattern)

➤ Syllabus subject to change under unavoidable circumstances

Grade: IX

Subject: Omani Dialect

Name of the books	Term 1	Term 2	Term 3
Omani Dialect (Non-Native Speakers)	Greetings & Self-Introduction - Greetings and responses - Self-introduction, asking someone's name. - Asking about wellbeing and responding. - Common daily reaction words: تو/زين /واجد - Pair dialogue: meeting someone new.	Daily Life & Opinions - Favourite foods and ordering politely - After-school activities and hobbies. - Expressing opinions: I like / I don't like / amazing. - Common reaction expressions in real situations - Free pair conversation.	Getting Around in Oman - Asking for directions and key locations - Shopping, prices, and simple bargaining - Asking for help in unexpected situations - Combining all three terms in open dialogue - Full real-life conversation.
Distribution of Marks	Not Graded		