



BANGLADESH SCHOOL MUSCAT

YEARLY SYLLABUS-AY (2026-27)

CLASS: X SCIENCE

SUBJECTS
BANGLA
ENGLISH
MATHEMATICS
PHYSICS
CHEMISTRY
BIOLOGY
FURTHER PURE MATH
HUMAN BIOLOGY
ICT
ART AND DESIGN
OMANI DIALECT

Grade : X		Subject: BANGLA	
পাঠ্য বই	প্রথম সাময়িক	দ্বিতীয় সাময়িক	তৃতীয় সাময়িক
- বাংলা ভাষার ব্যাকরণ ও নির্মিতি - প্রশ্ন ব্যাংক	ক) বাংলা বানান রীতি - ণ-ত্ব ও ষ-ত্ব বিধানের নিয়ম। - প্রমিত বাংলা বানানের নিয়ম ও অশুদ্ধ বানান সংশোধন। খ) অনুচ্ছেদ ও বিচ্ছিন্ন বাক্যের অনুবাদ - ইংরেজি থেকে বাংলা অনুবাদের প্রাথমিক নিয়ম। - প্রশ্নব্যাংক অনুশীলন। গ) বোধ পরীক্ষণ (প্রশ্নব্যাংক) ঘ) নিবন্ধ রচনা (Essay Writing) - শব্দসীমা মেনে নিবন্ধ লেখার কৌশল। (প্রশ্নব্যাংক থেকে নির্বাচিত বিষয়) ঙ) ইমেইল রচনা - ইমেইল লেখার সঠিক কাঠামো। চ) অনুচ্ছেদ রচনা ছ) রূপ রচনা	ক) অনুচ্ছেদ ও বিচ্ছিন্ন বাক্যের অনুবাদ - ইংরেজি থেকে বাংলায় অনুবাদ (প্রশ্নব্যাংক থেকে জটিল বাক্য অনুশীলন)। খ) নিবন্ধ রচনা (Essay Writing) গ) বাক্য ও বাক্য পরিবর্তন - সরল, জটিল ও যৌগিক বাক্যের রূপান্তর। ঘ) ইমেইল রচনা ঙ) পরিভাষা (Terminology) - ও লেভেল পরীক্ষার জন্য নির্ধারিত গুরুত্বপূর্ণ ইংরেজি শব্দের বাংলা প্রতিশব্দ। চ) বোধ পরীক্ষণ (প্রশ্নব্যাংক থেকে) ছ) অনুচ্ছেদ রচনা	ক) বিরাম চিহ্ন - অনুচ্ছেদে সঠিক ও যথাযথ বিরাম চিহ্নের ব্যবহার। খ) অনুচ্ছেদ ও বিচ্ছিন্ন বাক্যের অনুবাদ - বিগত বছরের Edexcel IGCSE প্রশ্নব্যাংক সমাধান ও পুনরালোচনা। গ) নিবন্ধ রচনা (Essay Writing) (পুনরালোচনা) ঘ) ইমেইল রচনা (পুনরালোচনা) ঙ) রূপ রচনা (পুনরালোচনা) চ) অনুচ্ছেদ রচনা (পুনরালোচনা) ছ) বোধ পরীক্ষণ (প্রশ্নব্যাংক থেকে)
মান বণ্টন	Mock-I Examination -100 Marks	Qualifying Examination - 100 Marks	Mock-II Examination -100 Marks
	(IGCSE question pattern)	(IGCSE question pattern)	(IGCSE question pattern)

- প্রয়োজনে পাঠ্যসূচী পরিবর্তন ও পরিবর্ধন সাপেক্ষ।

Grade: X

Subject: English

Name of the books	Term 1	Term 2	Term 3
Grammar recapitulation	• Parts of Speech • Phrase vs clause vs sentence • Sentence types: simple, complex, compound • Tenses	a. <i>The Necklace</i> (short story) b. <i>Night</i> (short story) Revision: c. <i>Disabled</i> (poem)	a. <i>Significant Cigarettes</i> (Extract from the novel “The Road Home”) Revision: b. <i>An Unknown Girl</i> (poem) c. <i>Out, Out-</i> (poem)
Anthology Specification A (4WEA2) (Modular Assessment)	a. <i>The Bright Lights of Sarajevo</i> (poem) b. <i>Whistle and I’ll Come to You</i> (Extract from the novel ‘Woman in Black’) c. <i>The Story of an Hour</i> (short story) Revision: d. <i>Still I Rise</i> (poem) Topic 1: Creating character/ atmosphere/ emotion. Topic2: Using sensory words. Topic 3: Narrative Voice Topic 4: Plot/ Structure/ Character Writing Imaginative Texts (story/ personal experience/ on images)	Topic 1: Idioms/ Irony/ Imagery/ Figurative Language Topic 2: Monologues / Dialogues Topic3: Explicit/ Implicit meanings Topic 4: Point- Evidence- Explain Writing Imaginative Texts (story/ personal experience/on images)	Topic 1: Choosing the Right Vocabulary/ Sentences for Effect Topic 2: Audience/ purpose Topic 3: Sentence Starters Writing Imaginative Texts (story/ personal experience/ on images)

Types of Questions & Distribution of Marks	<u>Mock- I Examination</u>	<u>Qualifying Examination</u>	<u>Mock- II Examination</u>
	English Pape 2 (Modular) (1hr. 30 min) Section A- Fiction (30 marks) Section B- Extended Writing- (30 marks) Total Marks: 60	English Paper 2 (Modular) (1hr. 30 min) Section A- Fiction (30 marks) Section B- Extended Writing- (30 marks) Total Marks: 60	English Paper 2 (Modular) (1hr. 30 min) Section A- Fiction (30 marks) Section B- Extended Writing- (30 marks) Total Marks: 60

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

Grade:X

Subject: Mathematics

Name of the books	Term 1	Term 2	Term 3
EdexcelInternational GCSE (9-1) Mathematics A Book 1&Book 2	Topic 1: Number 4 [Book 1] - Compound percentage - Inverse percentage Topic 2: Graph 5 [Book 1] - Representing Inequalities Graphically Topic 3: Algebra 9 [Book2] - Solving two simultaneous equations one linear and one non linear - Proofs Topic 4: Shape and space 8 [Book 2] - Vectors and Vector Notation - Multiplication of a vector by a scalar - Vector Geometry Topic 5: Graph 8	Topic 12: Handling Data 3 [Book 1] - Measures of dispersion - Quartiles - Cumulative Frequency Topic 13: Algebra 8 [Book 2] - Functions - Domain and Range - Composite functions - Inverse function Topic 14: Graph 9 [Book2] - The Gradient of a function - Differentiation - Stationary Points - Motion of a particle in a straight line Topic 15: Graph 7 [Book 2] - Using Graphs to solve quadratic equations - Using graphs to solve other equations	Revision Topics: 1) Number 4 2) Graph 5, 8, 7, 9 3) Shape and space6, 7, 8 4) Sequences 5) Algebra 7, 8, 9 6) Handling Data NOTE: Modular Unit 2 Higher Tier Syllabus Revision(PreviousYearsQuestion Papers)

	[Book2] • The Gradient of a curve at a point • Translating graphs • Reflecting graphs • Stretching graphs Topic 6: Sequences [Book2] • Arithmetic Sequence • Sum of an Arithmetic sequence Topic 7: Shape and space 6 [Book 2] • Circle theorem 2 • Alternate Segment Theorem • Intersecting chord theorem Topic 8: Shape and space 7 [Book 2] • Solids • Similar shapes Topic 9: Algebra 7 [Book 2] • Quadratic Inequality	NOTE: Modular Unit 2 Higher Tier Syllabus Revision(Previous Years Question Papers)	
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	Topic 10: Shape and space 5 [Book 1] • Transformation • Translation • Reflections and Rotations • Enlargement • Combined transformation Topic 11: Algebra 6 [Book 2] • Proportion		
Distribution of Marks	Mock- 1 Examination Paper 2HR (MODULAR) Total Marks-100 Based on IGCSE pattern	Qualifying Examination Paper 2HR (MODULAR) Total Marks-100 Based on IGCSE pattern	Mock II Examination Paper 2HR (MODULAR) Total Marks-100 Based on IGCSE pattern

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GRADE : X

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	Magnetism & Electromagnetism • Magnets repel and attract other magnets • Magnetically hard and soft materials • magnetic field line • magnetic field pattern for a permanent bar magnet, uniform magnetic field Electromagnetism • Construction of electromagnets • Magnetic field patterns for a straight wire, a flat circular coil and a solenoid • Electric motors & loudspeakers • Fleming's Left Hand Rule Electromagnetic Induction • Transformers & Applications Astrophysics Motion in the universe • Planets, moons, comets • Understand gravitational field strength, orbital speed, orbital radius and time period • Galaxies and the universe	Radioactivity & Particles Radioactivity • Structure of atom and isotopes • Types of Radiation • Penetrating powers of different types of radiation • Balance nuclear equations in terms of mass and charge • Geiger – Muller Detector • Background Radiation and sources of background radiation • Half - life and Half - life Graphs • Uses of radioactivity • Contamination and Irradiation • Dangers of ionizing radiations Fission and Fusion • Fission, fusion and radioactive decay can be a source of energy • Fission reaction • Fusion reaction • Chain Reaction • Nuclear Reactor	Revision • Magnetism and Electromagnetism • Astrophysics • Radioactivity • Waves • Solids,Liquids and gases - Part II Discussion & Solving Question & Answers from WorkBook Discussion & Solving Question & Answers of Past Papers

	Stellar Evolution • Evolution of stars • Hertzsprung- Russell Diagram Cosmology • Evolution of the universe • Red shift • Evolution of the universe Experiment • Investigate the magnetic field pattern for a permanent bar magnet and between two bar magnets	• Nuclear Fusion is energy source of stars • Conditions for Fusion Revision - Solids, Liquids and Gases - Part II Revision - Waves Experiments • Investigate the refraction of light using rectangular blocks • Investigate the refractive index of glass using a glass block • Investigate the speed of sound in air	
Distribution of Marks	Mock I Examination Total Marks- 90 (International GCSE Pattern) Question- 60% from Ist term syllabus 40% from IInd term syllabus of grade VIII Written examination: 1 hour 40 minutes	Qualifying Examination Total Marks- 90 (International GCSE Pattern) Question- Full syllabus of International GCSE (Modular) Written examination: 1 hour 40 minutes	Mock II Examination Total Marks- 90 (International GCSE Pattern) Question- Full syllabus of International GCSE (Modular) Written examination: 1 hour 40 minutes

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Grade: X

Subject: Chemistry

Name of the books	Term 1	Term 2	Term 3
EDEXCEL INTERNATIONAL GCSE (9-1) CHEMISTRY Student Book Jim Clark Steve Owen Rachel Yu	Inorganic Chemistry Topic 1 : Gases in atmosphere Topic 2 : Chemical tests Physical Chemistry Topic 3 : Rates of reaction Topic 4 : Reversible reactions and equilibria Organic Chemistry Topic 5 : Alcohols Principles of Chemistry Topic 6 : Electrolysis Topic 7 : Chemical formulae, equations and calculations (part 1, 2) (revision) Topic 8: Periodic table (revision) Practical: • Flame test for ions • Test for CO₂	Organic Chemistry Topic 1 : Carboxylic acids Topic 2 : Esters Topic 3 : Synthetic polymers Topic 4 : Alcohols(revision) Principles of Chemistry Topic 5 : Ionic bonding (revision) Topic 6 : Covalent bonding (revision) Topic 7 : Metallic bonding (revision) Topic 8 : Electrolysis(revision) Topic 9 : Chemical formulae, equations and calculations (part 1, 2) (revision) Topic 10 : Periodic table (revision) Inorganic Chemistry Topic 11 : The alkali metals	Revision of all topics according to IGCSE modular specification Solving IGCSE modular question papers

	Revision of topics according to IGCSE modular specification	(revision) Topic 12 : Halogens (revision) Topic 13 : Gases in the atmosphere(revision) Topic 14 : Chemical tests(revision) Physical Chemistry Topic 15 : Rates of reaction (revision) Topic 16: Reversible reactions and equilibria (revision) Practical: Reactions of carboxylic acids with metal carbonates Revision of topics according to IGCSE modular specification	
Distribution of marks	<u>Mock 1 Examination</u> Total Marks: 90 (Questions as per IGCSE in Chemistry Modular pattern)	<u>Qualifying Examination</u> Total Marks: 90 (Questions as per IGCSE in Chemistry Modular pattern)	<u>Mock 2 Examination</u> Total Marks: 90 (Questions as per IGCSE in Chemistry Modular pattern)

➤ Syllabus subject to change under unavoidable circumstances

Grade: X			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 Topic-wise Question Bank	Animal Physiology • Chemical coordination • Reproduction in humans Variation And Selection • Genes and Inheritance • Protein synthesis Microorganisms And Genetic Modification • Genetic modification Ecology And The Environment • Human influences on the environment Variation And Selection • Natural Selection and Evolution Plant Physiology • Transport in plants Revision • Cell Division • Using microorganisms • Blood and circulation • Coordination	All topics of Unit 2 (17 topics) Revision of the following topics: Animal Physiology • Blood and circulation • Coordination • Chemical coordination • Homeostasis and excretion • Reproduction in humans Plant Physiology • Reproduction in plant • Transport in plants • Chemical coordination in Plants Variation And Selection • Chromosomes, Genes and DNA • Cell Division • Genes And Inheritance • Selective breeding	All topics of Unit 2 Topic wise Revision according to IGCSE modular Specification Solving IGCSE question papers from Question Bank AO1, AO2 and AO3 based revision

	• Chemical coordination in Plants Practical work & Activity • Investigate inheritance using suitable organisms or models. • Investigate the changes in a plant cell when kept in a dilute & concentrated solution. Revision of topics according to IGCSE specification	• Natural Selection and Evolution Ecology And The Environment • Ecosystems • Human influences on the environment Microorganisms And Genetic Modification • Using microorganisms • Genetic modification Revision of all the topics according to IGCSE specification	
Distribution of marks	<u>Mock 1 Examination</u> Total marks : 90 (Questions as per IGCSE pattern)	<u>Qualifying Examination</u> Total marks : 90 (Questions as per IGCSE pattern)	<u>Mock 2 Examination</u> Total marks : 90 (Questions as per IGCSE pattern)

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

Grade: X

Subject: Further Pure Mathematics

Name of the books	Term 1	Term 2	Term 3
IGCSE(9 - 1) Further Pure Mathematics: Student Book.	Chapter7:ScalarandVector quantities • Vector notation and how to draw vector diagrams. • Perform simple vector arithmetic and understand the definition. • Use vectors to demonstrate simple properties of geometrical figures. • Write down and use Cartesian components of a vector in two dimensions. Chapter10:Integration • Integration as the reverse of differentiation. • Understand how calculus is related to problems involving kinematics. • Use integration to find areas. • Relate rates of change to each other. Chapter11: Trigonometry • Measure angles in radians • Calculate arc length and the area of a	Revision: 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 Chapter7:ScalarandVector quantities Chapter 8: Rectangular and Cartesian Coordinates Chapter 9: Differentiation Chapter10:Integration Chapter11: Trigonometry Revision and practice from EDEXCEL IAL question papers	Revision: 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 Chapter7:ScalarandVector quantities Chapter 8: Rectangular and Cartesian Coordinates Chapter 9: Differentiation Chapter10:Integration Chapter11: Trigonometry Revision and practice from EDEXCEL IAL question papers

	circle using radians. • Understand the basic trigonometrical ratios and Sine, Cosine and Tangent graphs. • Use Sine and Cosine rules • Use Sine and Cosine rules to solve problems in 3D. • Use trigonometry identities to solve problems. • Use trigonometric formulae to solve equations. Revision: Chapters – 1, 5, 6, 8, 9 IGCSE Question Bank		
Distribution of marks	Mock- I Examination Paper1:100 Marks Paper2:100 Marks Based on IGCSE pattern	Qualifying Examination Paper1:100 Marks Paper2:100 Marks Based on IGCSE pattern	Mock - II Examination Paper1:100 Marks Paper2:100 Marks Based on IGCSE pattern

➤ Syllabus subject to change under unavoidable circumstances

Grade: X

SUBJECT: HUMAN BIOLOGY

Name of the book	Term1	Term 2	Term 3
1. Edexcel IGCSE Human Biology Student Book (9-1) 2. IGCSE Human Biology Revision Guide 3. IGCSE Human Biology Question Bank	Topic -1: Cells • Cell structures, DNA replication, Genetic code • Protein synthesis, DNA mutation • Mitosis, Cells differentiation • Stem cells, genetic engineering Topic-2: Movement of substances into and out of cells • Diffusion, osmosis, active transport • Factors affecting rate of transpiration Topic 3: Nutrition and Energy • Balanced diet, Teeth, Digestive system • BMI, Food preservation Topic 4: Biological Molecules • Structure of carbohydrates, proteins, lipids • Tests for biological substances • Enzymes Topic-5: Respiration and gas exchange • Aerobic and anaerobic respiration, ATP • Gas exchange system, Lung diseases Topic 6: Homeostasis and Excretion • Role of liver, Structure and Function of nephron • Kidney failure and dialysis Topic 7: Coordination • Structure of neurons, Reflex actions • The brain, Diseases of the brain, Drugs • Glands and their function.	UNIT-1,2,3&4 (all the topics according to the International GCSE specification) • Topic-wise revision (According to the International GCSE 9-1 Human Biology specification)	All the topics according to the International GCSE Human Biology specification • Topic-wise revision • Revision from IGCSE Question Bank.

Topic 8: Sensory receptors-The Eye and Ear

- Structure and function of Human Eye
- The structure and function of ear

Topic 9: Internal Transport

Human heart (Structure and function).

- Blood vessels,Blood groups and transfusions
- Coronary heart disease, Antibodies.

Topic 10: Bones, muscles and joints

- Bone, Osteoporosis, Joints, Muscles

Topic 11: Reproduction

- Meiosis
- Human reproductive system
- Hormones and menstrual cycle, Contraception
- Fertility treatment, Growth and development

Topic 12: Heredity

- Genetic crosses, Pedegrees
- Codominance, ABO blood groups

Topic 13: Microorganisms

- Bacteria, Virus
- Ebola, HIV, AIDS
- Oral rehydration therapy
- Cholera, Gonorrhoea, Athlete's foot, Malaria, typhoid(Transmission, treatment,prevention)
- Antibody-antigen reaction, Immunity
- MRSA,Decomposers
- Process of sewage treatment and Pit latrine.

Practical	1. Preparation of slide of Human Cheek cells. 2. Biochemical tests for food analysis	1. Investigating the effect of exercise on the pulse rate. 2. Investigating the effect of exercise on breathing rate. 3. Measuring the energy content of a food.	1. Investigating the distribution of touch receptors in the skin. 2. Investigating Diffusion through a visking tubing membrane
Distribution of marks	Mock-1 Examination Paper 1: 90 marks Paper 2: 90 marks Questions as per IGCSE pattern	Qualifying Examination Paper 1: 90 marks Paper 2: 90 marks Questions as per IGCSE pattern	Mock-II Examination Paper 1: 90 marks Paper 2: 90 marks Questions as per IGCSE pattern

➤ Syllabus subject to change under unavoidable circumstances

CLASS: X

SUBJECT: ICT

Name of the book	Term 1	Term 2	Term 3
Information and Communication Technology (Pete Bell)	Revision : UNIT 1 : Digital Devices • Digital Devices • Software • Memory and Processors UNIT 2 :Connectivity • Digital Communication • Networks Revision & discussion of previous year question papers I and II	Revision: UNIT 3 :Operating Online • Risks to data and personal information • Impact of the Internet • Online Communities • The Implication of Digital Technologies • Online Information Revision & discussion of previous year question papers I and II	Revision: Unit 4:Online Goods and Services • Online Services • The Cloud UNIT 5 : Applying information and communication technology • Applying ICT Revision & discussion of previous year question papers I and II
Types of Questions and Distribution of marks	Mock Test 1 Theory:100, Practical:100 [IGCSE pattern] (Internal Assessment)	Qualifying Examination Theory:100, Practical:100 [IGCSE pattern] (Internal Assessment)	Mock Test 2 Theory:100, Practical:100 [IGCSE pattern] (Internal Assessment)

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Class: X		Subject: Art and Design	
Name of the book	Term 1	Term 2	Term 3
N/A	Personal Portfolio Component - 1: Course work Theme: ‘Desire’ • Prep works and a final work • Annotation • Alternative Ideas • Final Outcome	Personal Response 1. Elements of Painting Light, Form, Depth 2. Rules of Painting Unity, Rhythm & Harmony Theme based work Component - 2: Set Examination. Preparatory Study: Preparation for Component – 2 as per Edexcel Question paper 2025	Component - 2: Set Examination. Final outcome. Preparation for Component – 2 as per Edexcel Question paper 2025
Types of Questions and Distribution of Marks	<u>Practical</u> Formative Assessment: 20 Term End Exam: 52 Total Marks: 72	<u>Practical</u> Formative Assessment: 20 Term End Exam: 52 Total Marks: 72	<u>Practical</u> Total Marks: 72

➤ Syllabus subject to change under unavoidable circumstances

Grade: X		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		