

AVERROES INTERNATIONAL SCHOOL
Class IX
Subject: Bangla
Syllabus for 2018-2019 Academic Year

Subject Teacher: Sabrin Jahan
Department Head: Sabrin Jahan

Mid Term Syllabus

Learning Objectives: Students will be able to -

- Learn the enough vocabulary
- Translate the sentence/passage in Bengali
- Read the passage and do the appropriate answer of the question
- Write something creatively

Book Name	Chapter No	Chapter Name	Page No
সংকলিত		Vocabulary	Follow as C.W and H.W work & Unseen
		Sentence Translation/Passage Translation	
		Comprehension	
		রচনা/চিঠি/ই-মেইল/প্রতিবেদন	

MARKS DISTRIBUTION

Assessment Test	Class Test		Term Exam	
Marks	Marks	Duration	Marks	Duration
5	10	20 Min	35	1 hour
Total Marks		50		

SAMPLE QUESTIONS PATTERNS

SL NO	Type of Question	Marks Distribution
১.	Vocabulary: ইংরেজি শব্দগুলোর বাংলা অর্থ লিখ	০৫
২.	নিচের ইংরেজি বাক্যগুলোর বাংলা অনুবাদ কর।	০৫
৩.	নিচের ইংরেজি passageটিকে বাংলায় অনুবাদ কর।	০৭
৪.	অনুচ্ছেদটি পড়ে সঠিক উত্তরটি লেখ।	১০
৫.	নিচে দেয়া কাজ থেকে যে কোন একটি বিষয়ের উপর ১৪০ শব্দে লিখ।	০৮

Subject Teacher

Vice Principal

AVERROES INTERNATIONAL SCHOOL
Class IX
Subject: English
Syllabus for 2018-2019 Academic Year

Subject Teacher: Mohammad Nurun Nabi
Department Head: Mohammad Nurun Nabi

Mid Term Syllabus

Learning Objectives: Students will be able to -

- critically analyze a variety of passages
- comment on linguistics devices used by writers
- select appropriate material from passages and adapt it to produce a new piece of writing according to the directions
- respond creatively to a wide range of narrative essay topics

Book Name	Chapter No	Chapter Name	Page No
Past Question Papers			

MARKS DISTRIBUTION

Assessment Test	Class Test		Term Exam	
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5	10	20 Min	35	1 hour
Total Marks		50		

SAMPLE QUESTIONS PATTERNS

SL NO	Type of Question	Marks Distribution
1.	Analytical questions for passages	35
2.	Directed writing questions	
3.	Essays	

Subject Teacher

Vice Principal

AVERROES INTERNATIONAL SCHOOL
Class IX
Subject: Maths B
Syllabus for 2018-2019 Academic Year

Subject Teacher: Farhan Alim
Department Head: Farhan Alim

Mid Term Syllabus

Learning Objectives: Students will be able to -

- Perform expansions of algebraic expressions using the rules.
- Factorise algebraic expressions by picking out the common factor.
- Factorise expressions using the algebraic identities involving perfect squares and difference of squares learnt.
- Evaluate numerical expressions using factorisation.
- Factorise quadratic expressions.
- Solve quadratic equations by factorisation.
- Simplify simple algebraic fractions involving single terms using the rules shown above.
- Simplify algebraic fractions with polynomials by using factorisation and using the rules learnt above.
- Perform multiplication and division of simple algebraic fractions.
- Find the HCF and LCM of algebraic expressions.
- Perform addition and subtraction of simple algebraic expressions.
- Solve simple equations involving algebraic fractions.
- Express problems that involve algebraic fractions in the form of equations and solve them.
- Change the subject of a simple formula.
- Changing the subject of a formula involving squares, square roots, cubes and cube roots etc.
- Finding the unknown in a formula.
- Solve a pair of simultaneous equations by the elimination method.
- Solve a pair of simultaneous linear equations by adjusting the coefficients of one similar variable of both equations to be equal before elimination.
- Solve a pair of simultaneous linear equations by using the substitution method.
- Solve a pair of simultaneous linear equations by either the elimination or the substitution method.
- Express word problems into the form of a pair of simultaneous linear equations and using either the elimination or substitution method to solve the problem.
- Represent data using pie chart and histogram
- Find mean, mode and median from the given data
- Identify and represent sets using Venn Diagram
- Find probability using tree diagram

Book Name	Chapter No	Chapter Name	Page No
Maths B O' Level Past paper	13	Algebra	391-430
	7	Statistics	157-191
	6	Set	133-153
	4	Probability	99-121

MARKS DISTRIBUTION

Assessment Test		Class Test		Term Exam	
Marks	Marks	Duration	Marks	Duration	
5	10	20 Min	35	50 Minutes	
Total Marks		50			

SAMPLE QUESTIONS PATTERNS

SL NO	Type of Question	Marks Distribution
1.	Algebra	15 Marks
2.	Statistics	10 Marks
3.	Set	5 Marks
4.	Probability	5 Marks

Subject Teacher

Vice Principal

AVERROES INTERNATIONAL SCHOOL
Class IX
Subject: Pure Maths
Syllabus for 2018-2019 Academic Year

Subject Teacher: Mustafizur Rahman
Department Head: Farhan Alim

Mid Term Syllabus

Learning Objectives: Students will be able to -

- To learn O-level question paper structure.

Book Name	Chapter No	Chapter Name	Page No
Pure Mathematics, Lee Peng Yee O-Level q/p		Simultaneous equation	
		Remainder theorems	
		Factor theorems	
		Surds, Indices and Logarithm	
		Theory of quadratic equation	
		Binomial expansion	
		Arithmetic progression, Geometric progression	

MARKS DISTRIBUTION

Assessment Test		Class Test		Term Exam	
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5		10	20 Min	35	50 Min
Total Marks		50			

SAMPLE QUESTIONS PATTERNS

SL NO	Type of Question	Marks Distribution
1.	According to O'Level Question Paper	35

Subject Teacher

Vice Principal

AVERROES INTERNATIONAL SCHOOL
Class IX
Subject: Biology
Syllabus for 2018-2019 Academic Year

Subject Teacher: Md Rowshan Alam

Mid Term Syllabus

Learning Objectives: Students will be able to -

- Basic elements of carbohydrate, Protein, Lipid.
- Food test.
- Balanced diet, types of food.
- Structure and function of digestive system.
- Food digestion.
- Absorption.
- Need for a circulation.
- Components of blood.
- Structure of a heart.
- Cardiac cycle.
- Blood cells.
- Human circulatory system.
- Chemical coordination, Glands & hormones, Negative feedback, Adrenaline--- the fight or flight hormone, Controlling blood glucose, Diabetes.
- Structure of artery, vein, capillaries.
- Functions of blood.
- Coordination and response to the environment.
- Central nervous system.
- Structure of Neurone.
- The eye.
- Accommodation in the eye.
- Reflex action.
- Synapse.
- Iris reflex.

Book Name	Chapter No	Chapter Name	Page No
Edexcel IGCSE Biology (9-1) - Student Book	4	Food and Digestion	52-66
	5	Blood and circulation	70-80
	6	Coordination	84-94
	7	Chemical coordination	98-101

MARKS DISTRIBUTION

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SAMPLE QUESTIONS PATTERNS

SL NO	Type of Question	Marks Distribution
1.	M.C.Q.	10
2.	Fill in the blanks.	03
3.	True/False	05
4.	Short question answers.	04
5.	Broad question answers.	03
6.	Draw diagrams & label them.	03
7.	Experiments.	07

Subject Teacher

Vice Principal

AVERROES INTERNATIONAL SCHOOL
Class IX
Subject: Chemistry
Syllabus for 2018-2019 Academic Year

Subject Teacher: Prof. Md. Enamul Haque

Mid Term Syllabus

Learning Objectives: Students will be able to -

- To understand the meaning of organic chemistry, hydrocarbons, homologous series, isomerism, alkanes, alkenes, alcohols, crude oils.
- Separation of crude oils
- Cracking of crude oils
- Cracking petroleum
- Acid rain
- Reaction of alkanes, alkenes and alcohols
- Carboxylic acids and their properties

Book Name	Chapter No	Chapter Name	Page No
Edexcel International GCSE (9-1) Chemistry (Student Book)	22	Introduction to organic Chemistry	255-265
	23	Crude oils	268-276
	24	Alkanes	277-281
	25	Alkenes	282-286
	26	Alcohols	287-292

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Total Marks		50			

SAMPLE QUESTIONS PATTERNS

SL NO	Type of Question	Marks Distribution
1.	M.C.Q	05
2.	Fill in the Blanks	05
3.	Problems (short question)	10
4.	Calculation on experiment	15

Subject Teacher

Vice Principal

AVERROES INTERNATIONAL SCHOOL
Class IX
Subject: Physics
Syllabus for 2018-2019 Academic Year

Subject Teacher: Asif Ahsan

Mid Term Syllabus

Learning Objectives: Students will be able to -

- Explain concepts of Magnetic Field
- Recall the concepts related to current and magnetism
- Find magnetic field pattern and direction
- Use Fleming's Left hand rule
- Recall concepts of Electromagnetic Induction
- Recall Lenz's Law
- Recall concepts of Transformer
- Solve mathematical problems regarding Transformer (using Turns ratio or Voltage Ratio etc)
- Recall practical Application of Transformer

Book Name	Chapter No	Chapter Name	Page No
Edexcel International GCSE (9-1) Physics (Student Book)	Unit 6	20. Magnetism and Electromagnetism	197- 205
		21. Electric Motors and Electromagnetism	206 - 220

MARKS DISTRIBUTION

Assessment Test	Class Test		Term Exam	
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5	10	20 Min	35	50 Min
Total Marks		50		

SAMPLE QUESTIONS PATTERNS

SL NO	Type of Question	Marks Distribution
1.	Write down a method to investigate field pattern around a permanent magnet	4
2.	How a motor rotates when it is switched on	4
3.	Draw field pattern around two opposite poles	3
4.	Describe the construction of a transformer	5

Subject Teacher

Vice Principal

AVERROES INTERNATIONAL SCHOOL
Class IX
Subject: Accounting
Syllabus for 2018-2019 Academic Year

Subject Teacher: Omar Hadi
Department Head: Omar Hadi

Mid Term Syllabus

Learning Objectives: Students will be able to -

- Explain why Bank reconciliation are prepared, reconcile cash book balances with bank statements balances.
- Explain why control accounts can be useful, draw the control accounts.
- Calculate some basic accounting rates, offer some explanations for changes in there ratios over time.
- Deduce the figures of sales and purchases, prepare trailing and profit & loss account
- Draw up the ledger accounts and financial statements for a partnership.

Book Name	Chapter No	Chapter Name	Page No
Business Accounting	30	Bank reconciliation statements	390
	31	Control accounts	403
	34	Introduction to accounting ratio	453
	35	Single entry incomplete records.	465
	41	Partnership accounts: on introduction	555

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SAMPLE QUESTIONS PATTERNS

SL NO	Type of Question	Marks Distribution
1.	Multiple choice questions (Suction A)	10 marks
2.	Structured question. (Section B)	25 marks.

Subject Teacher

Vice Principal