



BAF SHAHEEN ENGLISH MEDIUM COLLEGE (SEMC)

STD - XI

- **BOOK LIST 2023 - 24**
- **SYLLABUS 2023 - 24**

BAF SHAHEEN ENGLISH MEDIUM COLLEGE (SEMC)

SEMC Suggested Subjects for AS' Level

Total no of O' level subjects in SEMC	Name of the subject and CAIE subject code	CAIE subject code	No. of paper and distribution of marks suggested by CAIE	Time duration in each paper suggested by CAIE	Page no
1.	Pure Mathematics -1	9709	Paper -1 =75	1 hour 50 minutes	
2.	Mechanics	9709	Paper -4 = 50	1 hour 15 minutes	
3.	Probability & Statistics	9709	Paper - 5 6 to 8 structured based questions = 50	1 hour 15 minutes	6
4.	Physics		Paper -1 MCQ = 40 Paper -2 Structured = 60 Paper -3 Practical = 30		
5.	Chemistry		Paper -1 MCQ = 40 Paper -2 Structured = 60 Paper -3 Practical = 30		
6.	Biology	9700	Paper -1 MCQ = 40 Paper -2 Structured = 60 Paper -3 Practical = 30		
7.	Computer Science	9618	Paper -1 = Written Paper: 75 Mark Paper -2 = Written Paper: 75 Mark	1 Hr 30 Min 2 Hrs	
8.	Accounting		Paper -1 = Paper -2 =		
9.	Economics		Paper -1 = Paper -2 =		
10.	Business studies		Paper -1 = Paper -2 =		
11.	Art				
12.	English Language				

Note : Search CAIE syllabus by using subject code and collect syllabus , past papers and marks scheme .

BAF SHAHEEN ENGLISH MEDIUM COLLEGE (SEMC)
YEARLY SYLLABUS 2023 - 24
STD – XI
SUBJECT: PURE MATHEMATICS: 1

Name of the Books	Mid Term		Final Term	
	Total No of Working Days:	100	Total No of Working Days:	90
	Total No of Actual Class Days:	73	Total No of Actual Class Days:	20
	Total No of Classes:		Total No of Classes:	
	<u>MOCK : 1 syllabus (only chapter name)</u>		Mock 2 syllabus	
	<u>Assessment : 1 syllabus</u>		Full syllabus	
	No of Classes :			
	No of Revision Classes :			
	<u>Assignment/ CT: 2 syllabus</u>		Model Test :1	
	No of Classes :		No of Classes :	
	No of Revision Classes :		No of Test Review Classes :	
	<u>Assignment/ CT: 3 syllabus</u>		Model Test : 2	
	No of Classes :		No of Classes :	
	No of Revision Classes :		No of Test Review Classes :	
	<u>Assignment/ CT: 4 syllabus</u>		Model Test : 3	
	No of Classes :		No of Classes :	
	No of Revision Classes :		No of Test Review Classes :	
	Revision Class for Mid Term		Revision Classes for Final Term	
	No of Classes :		No of Classes :	
	No of Spot Test : 01		No of Spot Test : 01	
Types of Question & Distribution of Marks				

Marks Weighing	30 marks from Class Assessment 70 marks from Mid Term Exam	CAIE Marks Weighing is maintained
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BAF SHAHEEN ENGLISH MEDIUM COLLEGE (SEMC)
YEARLY SYLLABUS 2023 - 24
STD – XI
SUBJECT: MECHANICS

Name of the Books	Mid Term	Final Term
	Total No of Working Days: 100	Total No of Working Days: 90
	Total No of Actual Class Days: 73	Total No of Actual Class Days: 20
	Total No of Classes: 42	Total No of Classes: 32
	<u>MOCK : 1 syllabus (only chapter name)</u> Force and motion in one dimension Velocity and acceleration Forces in two dimensions Friction Connected particles	Mock 2 syllabus Full syllabus
	<u>Assessment : 1 syllabus</u> Chapter 2 Force and motion in one dimension No of Classes : 06 No of Revision Classes : 01	
	<u>Assignment/ CT: 2 syllabus</u> Chapter 1 Velocity and acceleration No of Classes : 05 No of Revision Classes : 02 Chapter 3 Forces in two dimensions No of Classes : 06 No of Revision Classes : 02	Model Test :1 Chapter 6 General motion in a straight line No of Classes : 04 No of Test Review Classes : 01 Model Test : 2 Chapter 7 Momentum No of Classes : 04 No of Test Review Classes : 01
	<u>Assignment/ CT: 3 syllabus</u> Chapter 4 Friction No of Classes : 06 No of Revision Classes : 02	Chapter 8 Work and energy No of Classes : 04 No of Test Review Classes : 01
	<u>Assignment/ CT: 4 syllabus</u> Chapter 5 Connected particles No of Classes : 06 No of Revision Classes : 02	Model Test : 3 Chapter 9 The work-energy principle and power No of Classes : 05 No of Test Review Classes : 02
	Revision Class for Mid Term No of Classes : 06 No of Spot Test : 01	Revision Classes for Final Term No of Classes : 08 No of Spot Test : 01
Types of Question & Distribution of Marks		

Marks Weighing	30 marks from Class Assessment 70 marks from Mid Term Exam	CAIE Marks Weighing is maintained
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BAF SHAHEEN ENGLISH MEDIUM COLLEGE (SEMC)
YEARLY SYLLABUS 2023 - 24
STD – XI
SUBJECT: PROBABILITY & STATISTICS (S1)

Name of the Books	Mid Term		Final Term	
	Total No of Working Days:	100	Total No of Working Days:	90
Total No of Actual Class Days:	73	Total No of Actual Class Days:	26	
Total No of Classes:	42	Total No of Classes:	20	
<u>MOCK : 1 syllabus</u> Chapter 1 - Representation Data, Chapter 2 - Measures of Central Tendency, Chapter 3 - Measures of Variation, Chapter 4 - Probability, Chapter 5 - Permutation and Combinations, Chapter 6 - Probability Distributions.			Mock 2 syllabus Chapter 7 - The Binomial and Geometric Distributions, Chapter 8 - The Normal Distribution	
<u>Assessment : 1 syllabus</u> Chapter 1 - Representation Data Chapter 2 - Measures of Central			Full syllabus	
No of Classes : 10 No of Revision Classes : 02				
<u>Assessment CT: 2 syllabus</u> Chapter 3 - Measures of Variation,			Model Test :1 Chapter 7 - The Binomial and Geometric Distributions, Chapter 8 - The Normal Distribution	
No of Classes : 08 No of Revision Classes : 01			No of Classes : 08 No of Test Review Classes : 01	
<u>Assignment/ CT: 3 syllabus</u> Chapter 4 - Probability Chapter 5 - Permutation and Combinations,			Model Test : 2 Chapter 1 - Representation Data, Chapter 2 - Measures of Central Tendency, Chapter 3 - Measures of Variation	
No of Classes : 08 No of Revision Classes : 02			No of Classes : 03 No of Test Review Classes : 01	
<u>Assignment/ CT: 4 syllabus</u> Chapter 6 - Probability Distributions.			Model Test : 3 Chapter 4 - Probability, Chapter 5 - Permutation and Combinations, Chapter 6 - Probability Distributions	
No of Classes : 05 No of Revision Classes : 01			No of Classes : 03 No of Test Review Classes : 01	
Revision Class for Mid Term No of Classes : 04 No of Spot Test : 01			Revision Classes for Final Term No of Classes : 02 No of Spot Test : 01	
Types of Question & Distribution of Marks	Paper 5 6 to 8 structured based questions = 50 CT = 30 Total = 80	Paper 5 6 to 8 structured based questions Total Marks 50		

Marks Weighing	30 marks from Class Assessment 70 marks from Mid Term Exam	CAIE Marks Weighing is maintained
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BAF SHAHEEN ENGLISH MEDIUM COLLEGE (SEMC)
YEARLY SYLLABUS 2023-2024
STD – XI
SUBJECT: PHYSICS

Name of the Books	Mid Term		Final Term	
		Total No of Working Days:	100	Total No of Working Days:
	Total No of Actual Class Days:	73	Total No of Actual Class Days:	33
	Total No of Classes including Lab:	44+30	Total No of Classes including Lab:	24+30
1. Cambridge International AS/A Level Physics Course Book 3rd edition By: David Sang, Graham Jones, Gurinder Chadha and Richard Woodside 2. Cambridge International AS/A Level Physics . 3rd edition By Mike Crundell, Geoff Goodwine	<u>MOCK : 1 syllabus (only chapter name)</u>		Mock 2 syllabus Topic – 7 Waves Topic – 8 Superposition Topic – 11 Particle and nuclear physics Including Mock – 1 Syllabus (Full syllabus) No of Classes : 18	
	<u>Assessment : 1 syllabus</u> Topic-1 Physical quantities and units Topic – 2 Kinematics			
	No of Classes : 10 No of Revision Classes : 02			
	<u>Assignment/ CT: 2 syllabus</u> Topic – 3 Dynamics Topic – 4 Forces, density and pressure			
	No of Classes : 10 No of Revision Classes : 02			
	<u>Assignment/ CT: 3 syllabus</u> Topic – 5 Work, energy and power Topic – 6 Deformation of solids			
No of Classes : 06 No of Revision Classes : 02				
<u>Assignment/ CT: 4 syllabus</u> Topic – 9 Electricity Topic – 10 D.C Circuit				
No of Classes : 08 No of Revision Classes : 02				
Revision Class for Mock 1		Revision Classes for Mock 2		
No of Classes : 06 No. of Chapter wise Test : 06		No of Revision Classes : 06 No. of Chapter wise Test : 02		
Lab Class	No. of Lab Classes	30	No. of Lab Classes	30
Types of Question & Distribution of Marks	No. of Assessments	- 03		
	No. of Assignment	- 01		
Marks Weighing	<u>Mock – 1 Exam: Total Marks</u>	140	<u>Mock – 2 Exam: Total Marks</u>	140
	Paper 1	40	Paper 1	40

	compound No of Classes : 12 No of Revision Classes : 2	No of Classes : 6 No of Test Review Classes : 1
	Revision Class for Mid Term No of Classes : No of Spot Test : 01	Revision Classes for Final Term No of Classes : 4 No of Spot Test :01
Laboratory	Number of Lab Class 30	Number of Lab Class 30
Types of Question & Distribution of Marks	Mock – 1 Exam: Total Marks 140 Paper 1 40 Paper 2 60 Paper 3 40 <u>Marks Weighing</u> Paper 1 31% Paper 2 46% Paper 3 23%	Mock – 2 Exam: Total Marks 140 Paper 1 40 Paper 2 60 Paper 3 40 <u>Marks Weighing</u> Paper 1 31% Paper 2 46% Paper 3 23%
Marks Weighing	<i>30%marks from Class Assessment 70% marks from Mid Term Exam</i>	<i>CAIE Marks Weighing is maintained</i>

BAF SHAHEEN ENGLISH MEDIUM COLLEGE (SEMC)
YEARLY SYLLABUS 2023-2024
STD – XI
SUBJECT: BIOLOGY

Name of the Books	Mid Term		Final Term	
	Total No of Working Days:	100	Total No of Working Days:	90
	Total No of Actual Class Days:	73	Total No of Actual Class Days:	20
	Total No of Classes:		Total No of Classes:	
	<u>MOCK : 1 syllabus (only chapter name)</u>		Mock 2 syllabus	
	<u>Assessment : 1 syllabus</u>		Full syllabus	
	No of Classes :			
	No of Revision Classes :			
	<u>Assignment/ CT: 2 syllabus</u>		Model Test :1	
	No of Classes :		No of Classes :	
	No of Revision Classes :		No of Test Review Classes :	
	<u>Assignment/ CT: 3 syllabus</u>		Model Test : 2	
	No of Classes :		No of Classes :	
	No of Revision Classes :		No of Test Review Classes :	
	<u>Assignment/ CT: 4 syllabus</u>		Model Test : 3	
	No of Classes :		No of Classes :	
	No of Revision Classes :		No of Test Review Classes :	
	Revision Class for Mid Term		Revision Classes for Final Term	
	No of Classes :		No of Classes :	
	No of Spot Test :01		No of Spot Test :01	
Types of Question & Distribution of Marks				
Marks Weighing	<i>30 marks from Class Assessment 70 marks from Mid Term Exam</i>		<i>CAIE Marks Weighing is maintained</i>	

ENGLISH MEDIUM COLLEGE (SEMC)
YEARLY SYLLABUS 2023-2024
STD – XI
SUBJECT: COMPUTER SCIENCE

Name of the Books	Mid Term		Final Term	
1. Cambridge International AS & A Level Computer Science By – David Watson and Helen Williams Pub: Hodder Education 2. Cambridge International AS and A Level Computer Science Revision Guide By- Tony Piper 3. Cambridge IGCSE and O Level Computer Science Programming Book for Python By – Chris Roffey Pub: Cambridge University Press	Total No of Working Days:	100	Total No of Working Days:	90
	Total No of Actual Class Days:	73	Total No of Actual Class Days:	20
	Total No of Classes:	51	Total No of Classes:	09
	<u>MOCK : 1 Syllabus (only chapter name)</u>		<u>MOCK : 2 Syllabus</u>	
	1 Information representation 2 Communication 3 Hardware 4 Processor Fundamentals 5 System Software 6 Security, privacy and data integrity 7 Ethics and Ownership 8 Databases 9 Algorithm Design and Problem-solving 10 Data Types and Structures 11 Programming 12 Software Development		>> Full Syllabus	
	<u>Assessment : 1 syllabus</u> >> Information representation >> Communication >> Algorithm Design and Problem-solving No of Classes : 10 No of Revision Classes : 02			
	<u>Assignment/ CT: 2 syllabus</u> >> Hardware >> Processor Fundamentals >> Data Types and Structures No of Classes : 10 No of Revision Classes : 02		Topical Test :1 9 Algorithm Design and Problem-solving 10 Data Types and Structures 11 Programming 12 Software Development No of Classes : 02 No of Test Review Classes : 01	
	<u>Assignment/ CT: 3 syllabus</u> >> System Software >> Security, privacy and data integrity >> Programming No of Classes : 10 No of Revision Classes : 02		Topical Test : 2 9 Algorithm Design and Problem-solving	

	Assignment/ CT: 4 syllabus >> Ethics and Ownership >> Databases >> Software Development No of Classes : 10 No of Revision Classes : 02	10 Data Types and Structures 11 Programming 12 Software Development No of Classes : 02 No of Test Review Classes : 01 Topical Test : 3 1 Information representation 2 Communication 3 Hardware 4 Processor Fundamentals 5 System Software 6 Security, privacy and data integrity 7 Ethics and Ownership 8 Databases No of Classes : 02 No of Test Review Classes : 01
	Revision Class for MOCK-1 Exam No of Classes : 03 No of Spot Test : 03	Revision Classes for MOCK-2 Exam No of Classes : No of Spot Test :01
Types of Question & Distribution of Marks	Mock – 1 Exam Total Mark: 150 Paper-1 Structured Questions: 75 Mark Paper-1 Structured Questions: 75 Mark	Mock – 2 Exam Total Mark: 150 Paper-1 Structured Questions: 75 Mark Paper-1 Structured Questions: 75 Mark
Marks Weighing	Marks Weighing 50% from Paper 1 50% from Paper 2	<i>CAIE Marks Weighing is maintained</i> 50% from Paper 1 50% from Paper 2

BAF SHAHEEN ENGLISH MEDIUM COLLEGE (SEMC)
YEARLY SYLLABUS 2023-2024
STD – XI
SUBJECT: BUSINESS STUDIES

Name of the Books	Mid Term		Final Term	
		Total No of Working Days:	100	Total No of Working Days:
	Total No of Actual Class Days:	73	Total No of Actual Class Days:	20

	Total No of Classes: 52	Total No of Classes: 8
	<u>MOCK : 1 syllabus (only chapter name)</u>	Mock 2 syllabus
	<u>Assessment : 1 syllabus</u> 1. Business and its environment <ul style="list-style-type: none"> ● Enterprise ● Business Structure ● Size of business ● Business Objectives ● Stakeholders in a business No of Classes : 10 No of Revision Classes : 2	Full syllabus
	<u>Assignment/ CT: 2 syllabus</u> 2. Human resource management <ul style="list-style-type: none"> ● Management and leadership ● Motivation and leadership ● Human Resource Management No of Classes : 7 No of Revision Classes : 1	Test :1 Topical Test :1 No of Classes : 1 No of Test Review Classes : 1 Topical Test :2 No of Classes : 1 No of Test Review Classes : 1
	<u>Assignment/ CT: 3 syllabus</u> 3. Marketing <ul style="list-style-type: none"> ● What is marketing? ● Market Research ● The Marketing Mix 4. Operations management <ul style="list-style-type: none"> ● The nature of operations ● Inventory management ● Capacity utilisation and outsourcing No of Classes : 10 No of Revision Classes : 2	Topical Test :3 No of Classes : 1 No of Test Review Classes : 1
	<u>Assignment/ CT: 4 syllabus</u> 5. Finance and accounting <ul style="list-style-type: none"> ● Business finance ● Forecasting and managing cash flows ● Costs ● Budgets No of Classes : 10 No of Revision Classes : 2	
	Revision Class for Mid Term No of Classes : 7 No of Spot Test : 1	Revision Classes for Final Term No of Classes : 1 No of Spot Test : 1
Types of Question & Distribution of Marks	<u>Mock 1/ Mid Term Exam Total Marks – 130</u>	<u>Exam Total Marks – 100</u> Paper 1: 40

	Paper 1: 40 Paper 2: 60 <u>Class Assessment</u> 30 Total : 130	Paper 2: 60 Total : 100
Marks Weighing	<i>30 marks from Class Assessment 70 marks from Mid Term Exam</i>	<i>CAIE Marks Weighing is maintained</i>

BAF SHAHEEN ENGLISH MEDIUM COLLEGE (SEMC)
YEARLY SYLLABUS 2023-2024
STD – XI
SUBJECT: ECONOMICS

Name of the Books	Mid Term		Final Term	
		Total No of Working Days:	100	Total No of Working Days:
	Total No of Actual Class Days:	73	Total No of Actual Class Days:	20
	Total No of Classes:	52	Total No of Classes:	08

	<u>MOCK : 1 syllabus (only chapter name)</u>	Mock 2 syllabus
	<u>Assessment : 1 syllabus</u> 1 Basic economic ideas and resource allocation 2 The price system and the micro economy No of Classes : 10 No of Revision Classes : 02	Full syllabus
	<u>Assignment/ CT: 2 syllabus</u> 3. Government microeconomic intervention Maximum and minimum prices No of Classes : 07 No of Revision Classes : 01	Model Test :1 No of Classes :01 No of Test Review Classes :01 Model Test : 2 No of Classes :01 No of Test Review Classes :01
	<u>Assignment/ CT: 3 syllabus</u> 4 The macro economy Aggregate Demand and Aggregate Supply analysis • Inflation • Balance of payments No of Classes : 10 No of Revision Classes : 02	Model Test : 3 No of Classes :01 No of Test Review Classes :01
	<u>Assignment/ CT: 4 syllabus</u> 4 The macro economy • Exchange rates • The terms of trade Principles of absolute and comparative advantage • Protectionism No of Classes : 10 No of Revision Classes : 02	
	Revision Class for Mid Term No of Classes : 07 No of Spot Test : 01	Revision Classes for Final Term No of Classes :01 No of Spot Test :01
Types of Question & Distribution of Marks	<u>Mock 1 Exam Total Marks – 130</u> Paper 1: 30 Paper 2: 60 <u>Class Assessment 30</u> Total : 120	<u>Exam Total Marks – 100</u> Paper 1: 30 [30 %from Paper 1] Paper 2: 60 [70 % from Paper2] Total : 90
Marks Weighing	<i>30 marks from Class Assessment</i> <i>70 marks from Mid Term Exam</i>	<i>CAIE Marks Weighing is maintained</i>

BAF SHAHEEN ENGLISH MEDIUM COLLEGE (SEMC)
YEARLY SYLLABUS 2023-2024
STD – XI
SUBJECT: ACCOUNTING

Name of the Book	Mid Term	Final Term
	Total No of Working days : 100	Total No of Working days : 90

	Total No of actual Class days : 73	Total No of actual Class days : 20
	Total No of Accounting class : 52	Total No of Accounting class : 12
	Mock Test: 1	Mock Test: 2
1. Cambridge International AS & A Level Accounting (Second Edition) - Harold Randall & David Hopkins	Assessment : 1 syllabus 1. Correction of errors & Suspense No of classes- 3 No of Revision classes- 1	12. Accrual & Prepayments No of classes- 1 No of Revision classes- 1
	Assignment/ CT: 2 syllabus 2. Bad debts & provision for doubtful debts No of classes- 2 No of Revision classes- 1	15. Unit, Job & Batch Costing No of classes- 1 No of Revision classes- 1
	Assessment : 3 syllabus 3. Financial Statements No of classes- 3 No of Revision classes 1	16. Past Papers Solution No of classes- 6 No of Revision classes- 2
	Assessment : 4 syllabus 4. Bank Reconciliation Statement No of classes- 2 No of Revision classes 1	
	5. Control Accounts No of classes- 2 No of Revision classes- 1	
	6. Depreciation & Provision No of classes- 3 No of Revision classes- 1	
	7. Ratio Analysis No of classes- 2 No of Revision classes- 1	
	8. Partnership Accounts No of classes- 3 No of Revision classes- 1	
	9. Incomplete Records No of classes- 3 No of Revision classes- 1	
	10. Limited Company No of classes- 3 No of Revision classes- 1	

	11. Accounting Concepts No of classes- 1 No of Revision classes- 1	
	12. Inventory Valuation No of classes- 1 No of Revision classes- 1	

BAF SHAHEEN ENGLISH MEDIUM COLLEGE (SEMC)
YEARLY SYLLABUS 2023-2024
STD – XI
SUBJECT: ART & DESIGN

Name of the Books	Mid Term		Final Term	
	Total No of Working Days:	100	Total No of Working Days:	90

<p>Cambridge International AS & A Level Art & Design Student's Book</p> <p>Publisher - Collins</p> <p>Author: Parsons, A; Macfarlane, Land Arnould,</p>	Total No of Actual Class Days:	73	Total No of Actual Class Days:	20	
	Total No of Classes:	28	Total No of Classes:	8	
	<u>MOCK : 1 syllabus (only chapter name)</u>		Mock 2 syllabus		
	1. Study from personal investigation, 2. Development of own idea from artist inspiration		Prepare the Portfolio along with all the supporting studies		
	3. Study from gallery visit, record and analysis the idea		Full syllabus		
	<u>Assessment : 1 syllabus</u>				
<p>1. Contemporary artist research</p> <p>No of Classes : 4</p> <p>No of Revision Classes : 3</p>					
<u>Assignment/ CT: 2 syllabus</u>		Model Test : 1			
<p>2. Local gallery research</p> <p>No of Classes : 4</p> <p>No of Revision Classes : 3</p>		<p>No of Classes :</p> <p>No of Test Review Classes :</p>			
<u>Assignment/ CT: 3 syllabus</u>		Model Test : 2			
<p>3. Study from different art movement</p> <p>No of Classes : 4</p> <p>No of Revision Classes : 3</p>		<p>No of Classes :</p> <p>No of Test Review Classes :</p>			
<u>Assignment/ CT: 4 syllabus</u>		Model Test : 3			
<p>4. Development of own research</p> <p>No of Classes : 4</p> <p>No of Revision Classes : 3</p>		<p>No of Classes :</p> <p>No of Test Review Classes :</p>			
Types of Question & Distribution of Marks					
Marks Weighing	30 marks from Class Assessment 70 marks from Mid Term Exam		CAIE Marks Weighing is maintained		