



**BAF SHAHEEN ENGLISH MEDIUM COLLEGE (SEMC)**

## **STD - XI**

- **ACADEMIC CALENDAR 2022 - 23**
- **BOOK LIST 2022 - 23**
- **SYLLABUS 2022 - 23**

**BAF SHAHEEN ENGLISH MEDIUM COLLEGE****BOOK LIST 2022-23****STD - XI**

Subject	Name of the Books	Author/publishers
Accounting	AS and A Level Accounting	H Randall, David Hopkins Pub: Cambridge University Press
Biology	Cambridge International AS and A Level Biology Course book ( Latest Edition)	Mary Jones, Richard Fosbery, Jennifer Gregory and Dannis Taylor Pub: Cambridge University Press
Business	Cambridge International AS and A Level Business	By Peter Stimpson and Alastair Farquharson. Pub: Cambridge University Press
Chemistry	Cambridge International AS and A Level Chemistry Course book ( Latest Edition)	Lawire Ryan and Roger Norris Pub: Cambridge University Press
Computer Science	1. Cambridge International AS and A Level Computer Science	1. By- David Watson and Helen Williams Pub: Cambridge University Press
	2. Cambridge IGCSE and O Level Computer Science Programming Book for Python	2. By- Chris Roffey Pub: Cambridge University Press
Economics	1. Cambridge International AS and A Level Economics Course book ( Latest Edition)	Colin Bamford and Susan Grant Pub: Cambridge University Press
	2. Economics for Cambridge International	Terry Cook, Clive Riches and Richard Taylor Pub: Cambridge University Press
Pure Mathematics 1	Cambridge International AS and A Level Mathematics: Pure Mathematics – 1 Course Book	Sue Pemberton <b>Series Editor: Julian Gilbey</b> Pub: Cambridge University Press
Mechanics	Cambridge International AS and A Level Mathematics: Mechanics Course Book	<b>Jan Dangerfield</b> <b>Stuart Haring</b> <b>Series Editor: Julian Gilbey</b> Pub: Cambridge University Press
Statistics 1	Cambridge International AS and A Level Mathematics: Statistics & probability – 1 Coursebook	Dean Chalmers <b>Series Editor: Julian Gilbey</b> Pub: Cambridge University Press
Physics	1. Cambridge International AS and A Level Physics Course book ( 3rd Edition)	Sang, John, Chadha and Woodside Pub: Cambridge University Press
	1. Cambridge International AS and A Level Physics (3rd Edition)	Mike Crundell, Geoff Goodwin Hodder Education

**EXERCISE BOOKS**

Sl	Type of the copy	C.W+H.W	C.T.
1.	Single Lined, Plain text, Laboratory copy, Drawing copy.	As per required to the taken subjects.	-.
2.	Diary		01 Copy
3.	A4 size offset papers (will be collected by school)		1 Rim

**BAF SHAHEEN ENGLISH MEDIUM COLLEGE**  
**YEARLY SYLLABUS 2022 - 23**  
**STD-XI**  
**SUBJECT: ACCOUNTING**

<b>Name of the Book</b>	<b>Mid Term</b>	<b>Final Term</b>
	Total No of Working days : 96	Total No of Working days : 103
	Total No of actual Class days (excluding Mid Term exam) : 80	Total No of actual Class days (excluding Final Term exam) : 83
	Total No of Accounting class : 48	Total No of Accounting class : 24
Cambridge International AS & A Level Accounting (Latest Edition)  H Randall, David Hopkins  Pub: Cambridge University Press	<b>1. Correction of errors &amp; Suspense</b> No of classes- 2 No of Revision classes- 1 No. of Assessment- 1	<b>12. Accrual &amp; Prepayments</b> No of classes- 1 No of Revision classes- 1
	<b>2. Bad debts &amp; provision for doubtful debts</b> No of classes- 2 No of Revision classes- 1 No. of Assessment- 1	<b>15. Unit, Job &amp; Batch Costing</b> No of classes- 3 No of Revision classes- 1
	<b>3. Financial Statements</b> No of classes- 3 No of Revision classes 1 No. of Assessment- 1	<b>16. A Level Question Paper (May/ June 2018 )</b> No of classes- 2 No of Revision classes- 1
	<b>4. Bank Reconciliation</b> No of classes- 2 No of Revision classes- 1	<b>17. A Level Question Paper (October/November 2018)</b> No of classes- 2 No of Revision classes- 1
	<b>5. Control Accounts</b> No of classes- 2 No of Revision classes- 1	<b>18. A Level Question Paper (May/ June 2017)</b> No of classes- 2 No of Revision classes- 1
	<b>6. Depreciation &amp; Provision</b> No of classes- 3 No of Revision classes- 1	<b>19. A Level Question Paper (October/November 2017)</b> No of classes- 2 No of Revision classes- 1
	<b>7. Ratio Analysis</b> No of classes- 2 No of Revision classes- 1	<b>20. A Level Question Paper (May/ June 2016)</b> No of classes- 2 No of Revision classes- 1
	<b>8. Partnership Accounts</b> No of classes- 3 No of Revision classes- 1	<b>21 O Level Question Paper (October/November 2016)</b> No of classes- 2 No of Revision classes- 1
	<b>9. Incomplete Records</b> No of classes- 3 No of Revision classes- 1	
	<b>10. Limited Company</b> No of classes- 3 No of Revision classes- 1	

	<b>11. Accounting Concepts</b> No of classes- 1 No of Revision classes- 1	
	<b>12. Inventory Valuation</b> No of classes- 2 No of Revision classes- 1	
	<b>13. Absorption &amp; Marginal Costing</b> No of classes- 4 No of Revision classes- 1	
	No. of Assessment - 03 No. of Assignment - 01	
	<b>Assessments marks will be added to the mocks</b>	
Types of Questions and distribution of Marks	<u><b>Mock – 1 Exam</b></u> <u><b>Total Marks -120</b></u>  <b>Paper-1</b> MCQ - 30 marks <b>Paper-2</b> Structured Question - 90 marks  Assessment/Assignment /Project work - 20 marks  <b>Marks Weighing</b>  28% from Paper 1 72% from Paper 2	<u><b>Mock – 2 Exam</b></u> <u><b>Total Marks -120</b></u>  <b>Paper-1</b> MCQ -30 marks <b>Paper-2</b> Structured Question - 90 marks  <b>Marks Weighing</b>  28% from Paper 1 72% from Paper 2

**BAF SHAHEEN ENGLISH MEDIUM COLLEGE**  
**YEARLY SYLLABUS 2022 - 23**  
**STD-XI**  
**SUBJECT: BIOLOGY**

Name of the Books	Mid Term		Final Term	
	Total No. of Working Days :	96	Total No. of Working Days :	103
	Total No. of Actual Class Days (excluding Mid Term exam) :	80	Total No. of Actual Class Days (excluding Final exam) :	83
	Total No. of Biology Classes :	53	Total No. of Biology Classes:	54
	MOCK 1		MOCK 2	
Cambridge International AS and A Level Biology Course book  (Latest Edition)  By-Mary Jones, Richard Fosbery, Jennifer Gregory and Dannis Taylor  Pub: Cambridge University Press	Topic 1: Cell Structure Topic 2: Biological molecules		Topic 8 Transport in mammals Topic 9 Gas exchange and smoking	
	No. of Classes - 10 No. of Revision Classes - 02		No. of Classes - 10 No. of Revision Classes - 05	
	Topic 3: Enzyme Topic 4: Cell membranes and transport		Topic 10 Infectious disease Topic 11 Immunity	
	No. of Classes - 10 No. of Revision Classes - 02		No. of Classes - 12 No. of Revision Classes - 05	
	Topic 5: The mitotic cell cycle:  Topic 6: Nucleic acids and protein synthesis		Lab Class	-10
No. of Classes - 10 No. of Revision Classes - 01				
Topic 7: Transport in plants		<b>Past paper solution class</b>	<b>- 12</b>	
No. of Classes - 04 No. of Revision Classes - 01				
Lab Class -10				
No. of Assessment - 03 No. of Assignment - 01 <b>Assessments marks will be added to the mocks</b>				
<b>Types of Questions and Distribution of Marks</b>	<b>Mid Term Exam Total Marks – 140 (Mock 1 Exam)</b> Paper 1 Multiple Choice: 40 Paper 2 AS Structured Questions: 60 Paper 3 Advanced Practical Skills: 40 <b>Total marks: 140</b>  <b>Marks Weighing</b> From Paper 1 : 31% marks from Paper 2 : 46% marks and from Paper 3 : 23% marks will be taken.	<b>Mock Exam Total marks: 140</b> Paper 1 Multiple Choice: 40 Paper 2 AS Structured Questions: 60 Paper 3 Advanced Practical Skills: 40 <b>Total marks: 140</b>  <b>Marks Weighing</b> From Paper 1 : 31% marks from Paper 2 : 46% marks and from Paper 3 : 23% marks will be taken.		

**BAF SHAHEEN ENGLISH MEDIUM COLLEGE**  
**YEARLY SYLLABUS 2022 - 23**  
**STD - XI**  
**SUBJECT: BUSINESS**

Name of the Books	Mid Term		Final Term	
	Total No. of Working Days :	96	Total No. of Working Days :	103
	Total No. of Actual Class Days (excluding Mid Term exam) :	80	Total No. of Actual Class Days (excluding Final exam) :	83
	Total No. of Business Classes:	40	Total No. of Business Classes:	41
	Mock – 1		Mock – 2 Full Syllabus	
Cambridge International AS and A Level Business  By Peter Stimpson and Alastair Farquharson.  Pub: Cambridge University Press	<b>1 Business and its environment</b> <ul style="list-style-type: none"> <li>• Enterprise</li> <li>• Business Structure</li> <li>• Size of business</li> <li>• Business Objectives</li> <li>• Stakeholders in a business</li> </ul>		<b>5. Marketing</b> <ul style="list-style-type: none"> <li>• What is marketing?</li> <li>• Market Research</li> <li>• The Marketing Mix</li> </ul>	
	No. of Classes	- 08	No. of Classes	- 08
	No. of Revision Class	- 02	No. of Revision Class	- 02
	<b>2. People in organizations</b> <ul style="list-style-type: none"> <li>• Management and leadership</li> <li>• Motivation and leadership</li> <li>• Human Resource Management</li> </ul>		<b>6. Operations and project management</b> <ul style="list-style-type: none"> <li>• The nature of operations</li> <li>• Operations planning</li> <li>• Inventory management</li> </ul>	
	No. of Classes	- 08	No. of Classes	- 08
	No. of Revision Class	- 02	No. of Revision Class	- 02
	<b>3. Revision Section 1 (Business and its environment)</b>		<b>7. Finance and accounting</b> <ul style="list-style-type: none"> <li>• The need for business finance</li> <li>• Sources of finance</li> <li>• Costs</li> <li>• Accounting Fundamentals</li> <li>• Forecasting cash flows and managing working capital</li> </ul>	
	No. of Classes	- 09	No. of Classes	- 09
No. of Revision Class	- 01	No. of Revision Class	- 01	
<b>4. Revision Section 2 (People in organizations)</b>		<b>8. Revision and solving practice questions</b>		
No. of Classes	- 05	No. of Classes	- 09	
No. of Revision Class	- 01	No. of Revision Class	- 02	
No. of Assessment	- 03			
No. of Assignment	- 01			
Assessment 1 will be added to Mock - 1 Assessment 2 will be added to Mock - 2				
Types of Questions and distribution of Marks	<b>Mock 1</b>	<b>Total Marks -100</b>	<b>Mock 1</b>	<b>Total Marks -100</b>
	Paper 1	40	Paper 1	40
	Paper 2	60	Paper 2	60
	<b>Total</b>	<b>100</b>	<b>Total</b>	<b>100</b>
	<b>Assessments marks will be added to the mocks</b>			

**BAF SHAHEEN ENGLISH MEDIUM COLLEGE**  
**YEARLY SYLLABUS 2022-23**  
**STD: XI**  
**SUBJECT: CHEMISTRY**

<b>Name of the Books</b>	<b>Mid Term</b>		<b>Final Term</b>	
	Total No. of Days :	96	Total No. of Days :	103
	Total No. of Actual Class Days (excluding Mid Term exam) :	80	Total No. of Actual Class Days (excluding Final exam) :	83
	Total No. of Chemistry Classes:	52	Total No. of Chemistry Classes:	54
Cambridge International AS and A Level Chemistry Course book  (Latest Edition)	1 Atomic structure 2 Atoms, molecules and stoichiometry 3 Chemical bonding 4 States of matter 5 Chemical energetics  No. of Classes - 10 No. of Revision Class - 02		10 Group 2 11 Group 17 12 Nitrogen and sulfur 18 Carboxylic acids and derivatives 19 Nitrogen compounds 20 Polymerisation 21 Organic synthesis	
Lawire Ryan and Roger Norris  Pub: Cambridge University Press	13 An introduction to AS Level organic chemistry 14 Hydrocarbons 15 Halogen compounds 16 Hydroxy compounds 17 Carbonyl compounds  No. of Classes - 10 No. of Revision Class - 02		22 Analytical techniques  No. of Classes - 18 No. of Revision Class - 02  # Revision and Solving CAIE, AS Level Chemistry Past Papers.	
	6 Electrochemistry 7 Equilibria 8 Reaction kinetics 9 The Periodic Table: chemical periodicity No. of Classes - 10 No. of Revision Class - 02		No. of Classes - 18  # MOCK Examination on all the topics /Full syllabus	
<b>Laboratory</b>	Number of Lab Class - 12		Number of Lab Class - 16	
	No. of Assessment - 03 No. of Assignment - 01 <b>Assessments marks will be added to the mocks</b>			
<b>Types of Questions and distribution of Marks</b>	<b>Mid Term Exam: Total Marks - 100</b> <b>Paper 1 MCQ</b> 40 (Converted to 31%) <b>Paper 2 Theory</b> 60 (Converted to 46%) <b>Paper 3 Practical Test</b> 40 (Converted to 23%)		<b>Final Exam: Total Marks - 100</b> <b>Paper 1 MCQ</b> 40 (Converted to 31%) <b>Paper 2 Theory</b> 60 (Converted to 46%) <b>Paper 3 Practical Test</b> 40 (Converted to 23%)	

**BAF SHAHEEN ENGLISH MEDIUM COLLEGE****YEARLY SYLLABUS 2022-23****STD XI****SUBJECT: COMPUTER SCIENCE**

Name of the Books	Mock 1		Mock 2	
	Total No. of Working Days:	96	Total No. of Working Days:	103
	Total No. of Actual Class Days (excluding Mid Term exam) :	80	Total No. of Actual Class Days (excluding Mid Term exam) :	83
	Total No. of Classes:	35	Total No. of Classes:	36
1. Cambridge International AS and A Level Computer Science By- David Watson and Helen Williams Pub: Cambridge University Press.	<b>1 Information representation</b> <b>1.1 Data Representation</b> <b>1.2 Multimedia – Graphics, Sound</b> <b>1.3 Compression</b>	No. of Classes – 03 No. of Revision Classes – 00	<b>1 Information representation</b> <b>1.1 Data Representation</b> <b>1.2 Multimedia – Graphics, Sound</b> <b>1.3 Compression</b>	No. of Classes – 03 No. of Revision Classes – 00
	<b>2 Communications</b> <b>2.1 Networks including the Internet</b>	No. of Classes – 02 No. of Revision Classes – 00	<b>2 Communications</b> <b>2.1 Networks including the Internet</b>	No. of Classes – 02 No. of Revision Classes – 00
2. Cambridge IGCSE and O Level Computer Science Programming Book for Python By- Chris Roffey Pub: Cambridge University Press	<b>3 Hardware</b> <b>3.2 Logic Gates and Logic Circuits</b>	No. of Classes – 02 No. of Revision Classes – 00	<b>3 Hardware</b> <b>3.1 Computers and their components</b> <b>3.2 Logic Gates and Logic Circuits</b>	No. of Classes – 02 No. of Revision Classes – 00
	<b>4 Processor Fundamentals</b> <b>4.3 Bit manipulation</b>	No. of Classes – 02 No. of Revision Classes – 00	<b>4 Processor Fundamentals</b> <b>4.1 Central Processing Unit (CPU) Architecture</b> <b>4.2 Assembly Language</b> <b>4.3 Bit manipulation</b>	No. of Classes – 02 No. of Revision Classes – 00
	<b>5 System Software</b> <b>5.1 Operating System</b> <b>5.2 Language Translators</b>	No. of Classes – 02 No. of Revision Classes – 00	<b>5 System Software</b> <b>5.1 Operating System</b> <b>5.2 Language Translators</b>	No. of Classes – 02 No. of Revision Classes – 00
	<b>6 Security, privacy and data integrity</b> <b>6.1 Data Security</b> <b>6.2 Data Integrity</b>	No. of Classes – 02 No. of Revision Classes – 00	<b>6 Security, privacy and data integrity</b> <b>6.1 Data Security</b> <b>6.2 Data Integrity</b>	No. of Classes – 02 No. of Revision Classes – 00
	<b>7 Ethics and Ownership</b> <b>7.1 Ethics and Ownership</b>	No. of Classes – 02 No. of Revision Classes – 00	<b>7 Ethics and Ownership</b> <b>7.1 Ethics and Ownership</b>	No. of Classes – 02 No. of Revision Classes – 00
	<b>8 Databases</b> <b>8.1 Database Concepts</b> <b>8.2 Database Management System (DBMS)</b> <b>8.3 Data Definition Language (DDL) and Data Manipulation Language (DML)</b>	No. of Classes – 03 No. of Revision Classes – 00	<b>8 Databases</b> <b>8.1 Database Concepts</b> <b>8.2 Database Management System (DBMS)</b> <b>8.3 Data Definition Language (DDL) and Data Manipulation Language (DML)</b>	No. of Classes – 03 No. of Revision Classes – 00



	<b>9 Algorithm Design and Problem-Solving</b> <b>9.1 Computational Thinking Skills</b> <b>9.2 Algorithms</b>  No. of Classes – 03 No. of Revision Classes – 00	<b>9 Algorithm Design and Problem-Solving</b> <b>9.1 Computational Thinking Skills</b> <b>9.2 Algorithms</b>  No. of Classes – 03 No. of Revision Classes – 00
	<b>10 Data Types and structures</b> <b>10.1 Data Types and Records</b> <b>10.2 Arrays</b> <b>10.3 Files</b>  No. of Classes – 05 No. of Revision Classes – 00	<b>10 Data Types and structures</b> <b>10.1 Data Types and Records</b> <b>10.2 Arrays</b> <b>10.3 Files</b> <b>10.4 Introduction to Abstract Data Types (ADT)</b>  No. of Classes – 05 No. of Revision Classes – 00
	<b>11 Programming</b> <b>11.1 Programming Basics</b> <b>11.2 Constructs</b> <b>11.3 Structured Programming</b>  No. of Classes – 03 No. of Revision Classes – 00	<b>11 Programming</b> <b>11.1 Programming Basics</b> <b>11.2 Constructs</b> <b>11.3 Structured Programming</b>  No. of Classes – 03 No. of Revision Classes – 00
	<b>12 Software Development</b> <b>12.1 Program Development Lifecycle</b> <b>12.2 Program Design</b> <b>12.3 Program Testing and maintenance</b>  No. of Classes – 03 No. of Revision Classes – 00	<b>12 Software Development</b> <b>12.1 Program Development Lifecycle</b> <b>12.2 Program Design</b> <b>12.3 Program Testing and maintenance</b>  No. of Classes – 04 No. of Revision Classes – 00
	No. of Assessment – 03 No. of Assignment – 01	No. of Assessment – 03 No. of Assignment – 01
<b>Types of Questions and distribution of Marks</b>	<b>Mock 1: Total Mark 100</b>  Structured Question-P-1 75 Structured Question-P-2: 75 <u>Total Mark 150</u> <b>Total Mark [150] Converted to 100</b> <u>Marks Weighing</u> P-1: 50%, P-2: 50%	<b>Mock 2: Total Mark 100</b>  Structured Question-P-1 75 Structured Question-P-2 75 <u>Total Mark 150</u> <b>Total Mark [150] Converted to 100</b> <u>Marks Weighing</u> P-1: 50%, P-2: 50%

**BAF SHAHEEN ENGLISH MEDIUM COLLEGE**

**YEARLY SYLLABUS 2022-23**

**STD XI**

**SUBJECT: ECONOMICS**

Name of the Books	Mid Term		Final Term	
	Total No. of Working Days :	96	Total No. of Working Days :	103
	Total No. of Actual Class Days (excluding Mid Term exam) :	80	Total No. of Actual Class Days (excluding Final exam) :	83
	Total No. of Economics Classes:	53	Total No. of Economics Classes:	54
1.Economics for Cambridge International AS & A Level By Terry Cook, Clive Riches Richard Taylor	<b>1 Basic economic ideas and resource allocation</b> • Scarcity, choice and opportunity cost • Positive and normative statements • Factors of production • Resource allocation in different economic systems and issues of transition • Production possibility curves • Money • Classification of goods and services		<b>4 The macro economy</b>  • Aggregate Demand and Aggregate Supply analysis • Inflation • Balance of payments  No. of Classes - 12 No. of Revision Class - 02	
	No. of Classes - 12 No. of Revision Class - 02			
	<b>2. The price system and the micro economy</b> • Demand and supply curves • Price elasticity, income elasticity and cross elasticities of demand • Price elasticity of supply • Interaction of demand and supply		<b>4 The macro economy</b> • Exchange rates • The terms of trade • Principles of absolute and comparative advantage • Protectionism	
	No. of Classes - 09 No. of Revision Class - 02		No. of Classes - 09 No. of Revision Class - 02	
By Colin Bamford and Susan Grant	<b>2. The price system and the micro economy</b> • Market equilibrium and disequilibrium • Consumer and producer surplus		<b>5 Government macro intervention</b> • Types of policy: fiscal, monetary and supply side policy • Policies to correct balance of payments disequilibrium	
	<b>3. Government microeconomic intervention Maximum and minimum prices</b> • Taxes (direct and indirect) • Subsidies		No. of Classes - 12 No. of Revision Class - 02	
	No. of Classes - 12 No. of Revision Class - 02			
	<b>3. Government microeconomic intervention Maximum and minimum prices</b> • Transfer payments • Direct provision of goods and services • Nationalisation and privatisation		<b>5 Government macro intervention</b> • Policies to correct inflation and deflation	
No. of Classes - 09 No. of Revision Class - 02		No. of Classes - 10 No. of Revision Class - 02		
No. of Assessment - 03 No. of Assignment - 01		No. of Assessment - 03 No. of Assignment - 01		
<b>Assessments marks will be added to the mocks</b>		<b>Assessments marks will be added to the mocks</b>		
Types of Questions and distribution of Marks	<b>Mock 1</b>	<b>Total Marks -100</b>	<b>Mock 1</b>	<b>Total Marks -100</b>
	Paper 1	50	Paper 1	50
	Paper 2	50	Paper 2	50
	<b>Total</b>	<b>100</b>	<b>Total</b>	<b>100</b>

**BAF SHAHEEN ENGLISH MEDIUM COLLEGE**  
**YEARLY SYLLABUS 2022 – 23**  
**STD – XI**  
**SUBJECT: PHYSICS**

Name of the Books	Mid Term	Final Term	
	Total No. of Working Days : 96	Total No. of Working Days : 103	
	Total No. of Actual Class Days (excluding Mid Term exam) : 80	Total No. of Actual Class Days (Excluding Final exam) : 83	
	Total No. of Physics Classes: 52	Total No. of Physics Classes: 54	
Cambridge International AS/A Level Physics Course Book 3 <sup>rd</sup> edition  By: David Sang, Graham Jones, Gurinder Chadha and Richard Woodside  Cambridge International AS/A Level Physics, 3 <sup>rd</sup> edition  By Mike Crundell, Geoff Goodwin	Mock – 1	Mock – 2	
	<b>Topic-1 Physical quantities and units</b> No. of Classes 06 No. of Revision Classes 01	<b>Topic – 7 Waves</b> <b>Topic – 8 Superposition</b> No. of Classes 17 No. of Revision Classes 03	
	<b>Topic – 2 Kinematics</b> No. of Classes 07 No. of Revision Classes 01	<b>Topic – 11 Particle and nuclear physics</b> No. of Classes 08 No. of Revision Classes 02	
	<b>Topic – 2 Dynamics</b> <b>Topic – 4 Forces, density and pressure</b> No. of Classes 07 No. of Revision Classes 01	<b>Past papers solve</b> 12  Including Mock – 1 Syllabus	
	<b>Topic – 5 Work, energy and power</b> <b>Topic – 6 Deformation of solids</b> No. of Classes 07 No. of Revision Classes 01		
	<b>Topic – 9 Electricity</b> <b>Topic – 10 D.C. circuits</b> No. of Classes 07 No. of Revision Classes 01		
	No. of Assessment - 03 No. of Assignment - 01 <b>Assessments marks will be added to the mocks</b>		
	Lab Classes- 10	Lab Classes - 12	
	Types of Questions and distribution of Marks	<b>Mock – 1 Exam: Total Marks 140</b>  Paper 1 Multiple Choice [40 marks] 31%  Paper 2 AS Level Structured Questions [60 marks] 46% Paper 3 Advanced Practical Skills [40 marks] 23%  <hr/> Total 100%	<b>Mock – 2 Exam: Total Marks 140</b>  Paper 1 Multiple Choice [40 marks] 31%  Paper 2 AS Level Structured Questions [60 marks] 46% Paper 3 Advanced Practical Skills [40 marks] 23%  <hr/> Total 100%

**BAF SHAHEEN ENGLISH MEDIUM COLLEGE**  
**YEARLY SYLLABUS 2022 - 23**  
**STD - XI**  
**SUBJECT: PROBABILITY & STATISTICS (S1)**

Name of the Books	Mid Term		Final Term	
	Total No. of Working Days :	96	Total No. of Working Days :	103
	Total No. of Actual Class Days (excluding Mid Term exam) :	80	Total No. of Actual Class Days (excluding Final exam) :	83
	Total No. of Probability & statistics Classes:	47	Total No. of Probability & statistics Classes :	49
	<u>Mock-1</u>		<u>Mock -2</u>	
Cambridge International AS and A Level Mathematics: Statistics & probability – 1 Coursebook  Dean Chalmers Series Editor: Julian Gilbey  Pub: Cambridge University Press	1) Representation of data		7) The binomial & geometric distribution 8) The normal distribution	
	No. of Classes	- 04	No. Of Classes	-24
	No. of Revision Classes	- 02	No. Of Revision Classes	-04
	2) Measures of Central Tendency		. Solving A Level Question Papers Revision from CIE A Level Past Papers	
	No. of Classes	- 04	No. Of Revision Classes	-21
	No. of Revision Classes	- 02	Mock Test 2	
	3) Measures of variation			
	No. of Classes	- 05		
No. of Revision Classes	- 02			
4) Probability				
No. of Classes	- 08			
No. of Revision Classes	- 02			
5) Permutations & Combinations				
No. of Classes	-06			
No. of Revision Classes	- 02			
6) Probability distribution				
No. of Classes	- 05			
No. of Revision Classes	- 02			
No. of Assessment		- 03		
No. of Assignment		- 01		
<b>Assessments marks will be added to the mocks</b>				
Types of Questions and distribution of Marks	<u>Mock Exam</u>	Total marks –	<u>Mock Exam</u>	Total marks –
		50		50
	<u>Marks Weighing</u>		<u>Marks Weighing</u>	
		40		40

**BAF SHAHEEN ENGLISH MEDIUM COLLEGE**  
**YEARLY SYLLABUS 2022 - 23**  
**STD - XI**  
**SUBJECT: PURE MATHEMATICS -1**

<b>Name of the Books</b>	<b>Mid Term</b>		<b>Final Term</b>	
	Total No. of Working Days :	96	Total No. of Working Days :	103
	Total No. of Actual Class Days (excluding Mid Term exam) :	80	Total No. of Actual Class Days (excluding Final exam) :	83
	Total No. of P.Maths-1 Classes:	52	Total No. Of P. Maths-1 Classes :	54
	<b><u>Mock-1</u></b>		<b><u>Mock -2</u></b>	
Cambridge International AS and A Level Mathematics: Pure Mathematics – 1 Course Book  Sue Pemberton Series Editor: Julian Gilbey  Pub: Cambridge University Press	<b>1 Quadratics</b> <b>2 Functions</b>  No. of Classes - 10 No. of Revision Classes - 02		<b>7 Differentiation</b> <b>8 Further Differentiation</b> <b>9 Integration</b>  No. Of Classes -24 No. Of Revision Classes -04	
	<b>3 Coordinate geometry</b> <b>4 Circular measure</b>  No. of Classes - 16 No. of Revision Classes - 02		Solving A Level Question Papers Revision from CIE A Level Past Papers	
	<b>5 Trigonometry</b> <b>6 Series</b>  No. of Classes - 17 No. of Revision Classes - 02		Mock Test 2	
	<b>Revision of the above A Level syllabus.</b>			
	No. of Assessment - 03 No. of Assignment - 01			
	<b>Assessments marks will be added to the mocks</b>			
<b>Types of Questions and distribution of Marks</b>	<b><u>Mock Exam</u></b>	<b>Total marks – 75</b>	<b><u>Mock Exam</u></b>	<b>Total marks – 75</b>
	Paper 1	75	Paper 1	75
	<b><u>Marks Weighing</u></b> 10 to 12 structured questions based on the Pure Mathematics 1 subject contents Written examination Externally assessed 60% of the AS Level 30% of the A Level Compulsory for AS Level and A Level		<b><u>Marks Weighing</u></b> 10 to 12 structured questions based on the Pure Mathematics 1 subject contents Written examination Externally assessed 60% of the AS Level 30% of the A Level Compulsory for AS Level and A Level	

**BAF SHAHEEN ENGLISH MEDIUM COLLEGE**  
**YEARLY SYLLABUS 2022 - 23**  
**STD - XI**  
**SUBJECT: MECHANICS**

Name of the Books	Mid Term		Final Term	
	Total No. of Working Days :	96	Total No. of Working Days :	103
	Total No. of Actual Class Days (excluding Mid Term exam) :	80	Total No. of Actual Class Days (excluding Final exam) :	83
	Total No. of Mechanics Classes:	48	Total No. of Mechanics Classes :	50
Cambridge International AS and A Level Mathematics: Mechanics Course Book  Jan Dangerfield Stuart Haring Series Editor: Julian Gilbey  Pub: Cambridge University Press	<b><u>Mock-1</u></b>		<b><u>Mock -2</u></b>	
	1) Velocity and acceleration		7) Momentum	
	No. of Classes	-7	No. of Classes	- 8
	No. of Revision Classes	- 1	No. of Revision Classes	- 2
	2) Force and motion in one dimension		8) Work and energy	
	No. of Classes	- 7	No. of Classes	- 6
	No. of Revision Classes	- 1	No. of Revision Classes	-2
	3) Force in two dimensions		9) Work-energy principle and power	
	No. of Classes	- 7	No. of Classes	- 6
	No. of Revision Classes	- 1	No. of Revision Classes	-2
	4) Friction		Solving A Level Question Papers  Revision from CAIE A Level Past Papers  Mock Test 2 (CAIE whole syllabus)	
	No. of Classes	- 6		
No. of Revision Classes	- 1			
5) Connected particles		No. of Classes	-24	
No. of Classes	- 6			
No. of Revision Classes	- 2			
6) General motion in a straight line				
No. of Classes	- 5			
No. of Revision Classes	- 1			
No. of Assessment	- 03			
No. of Assignment	- 01			
<b>Assessments marks will be added to the mocks</b>				
Types of Questions and distribution of Marks	<b><u>Mock - 1 Exam</u> Total marks – 50</b>		<b><u>Mock – 2 Exam</u> Total marks – 50</b>	
	<b><u>Marks Weighing</u> 40</b>		<b><u>Marks Weighing</u> 40</b>	

**BAF SHAHEEN ENGLISH MEDIUM COLLEGE**  
**YEARLY SYLLABUS 2022 - 23**  
**STD - XI**  
**SUBJECT: ART & DESIGN**

Name of the Books	Mid Term	Final Term
	Total No. of Working Days : 96	Total No. of Working Days : 103
	Total No. of Actual Class Days (excluding Mid Term exam) : 80	Total No. of Actual Class Days (excluding Final exam) : 83
	Total No. of Classes: 32	Total No. of Classes: 34
	MOCK – 1	MOCK – 2
Cambridge International AS & A Level Art & Design Student’s Book  Publisher – Collins Author- Pearson, A; Macfarlane, L and Arnould, L	<b>1.Course work</b>  Research, develop and realize a project from one area of study  Portfolio for Course work  No. of Classes 06 No. of Revision Class 01	<b>1. Externally set assignment (Paper 2)</b>  Solve from pre released materials  No. of Classes 06 No. of Revision Class 02
	<b>2. Final Outcome for the course work</b>  Supporting study and relevant photograph or secondary sources for the research  Compiling the works for exam  No. of Classes 06 No. of Revision Class 01	<b>2. Complete the Portfolio and Final outcome</b>   No. of Classes 06 No. of Revision Class 02
	<b>3. Past paper solve (paper 2)</b>  No. of Classes 06 No. of Revision Class 01	<b>3.Retouching and use appropriate material technique for preserving the works.</b>  No. of Classes 07 No. of Revision Class 02
	<b>4. Revision and feedback</b> No. of Classes 06 No. of Revision Class 02	<b>4. Revision and feedback</b> No. of Classes 07 No. of Revision Class 02
	No. of Assessments 03 No. of Assignment 01	
<b>Types of Questions and distribution of Marks</b>	<b><u>Mock 1 Total Marks -100</u></b> Paper Paper 1-100 converted into 50 Paper 2-100 converted into 50  Assessment marks will be added to the mocks	<b><u>Mock 2 Total Marks -100</u></b> Paper 1-100 converted into 50 Paper 2-100 converted into 50  Assessment marks will be added to the mocks