



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

# **STD - XII**

- **HOLIDAY LIST 2021 - 22**
- **BOOK LIST 2021 - 22**
- **SYLLABUS 2021 - 22**

**BAF SHAHEEN ENGLISH MEDIUM COLLEGE (SEMC)****LIST OF HOLIDAYS FOR MID TERM 2021-22: (01 JULY 2021 TO 31 DECEMBER 2021)**

<b><u>Ser No</u></b>	<b><u>Holidays</u></b>	<b><u>Day/ Date</u></b>	<b><u>Classes Resume On</u></b>	<b><u>No of Holidays</u></b>
1	Continuation of term break	04 July 2021 to 06 July 2021	Wednesday, July 7, 2021	3
2	Eid-UI-Azha vacation	17 July 2021 to 29 July 2021	01 August 2021	12
3	Hijri New Year	10 August 2021	11 August 2021	1
4	National Mourning Day	15 August 2021	16 August 2021	1
5	Ashura	19 August 2021		1
6	Janmastomi	30 August 2021	31 August 2021	1
7	Bashar Day & Annual Milad	01 September 2021	02 September 2021	0
8	Akheri Chaha Shomba	06 October 2021	07 October 2021	1
9	Durga Puja, Eid-E-Miladunnabi ,Laxmi Puja, Probarona Purnima	11 October 2021 to 20 October 2021	21 October 2021	9
10	Shama Puja	04 November 2021	07 November 2021	1
11	Armed Forces Day	21 November 2021		1
12	Study Leave	25 November 2021		1
13	Fateha-i-Yajdaham	17 November 2021	18 November 2021	1
14	Term break, Victory Day(December 16), Christmas (December 25) & Winter vacation For office : 25 Dec 2021 to 29 Dec 2021 (5 days)	15 December 2021 to 30 December 2021	02 January 2022	14

**Total number of Holidays in Mid Term : 47**

<b>Examination Schedule For Mid Term 2021 – 22</b>	
Mock – 1 Begins	28 November 2021
Mock – 1 Ends	14 December 2021
Mock – 1 Script Showing Day	06 January 2022
Mock – 1 Report Card Day	13 January 2022

The holiday list is subject to appearance to the moon / decision of the concerned authorities.

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

**LIST OF HOLIDAYS FOR FINAL TERM 2021-22 :1 January 2022 TO 30 JUNE 2022**

<b><u>Ser No</u></b>	<b><u>Holidays</u></b>	<b><u>Day/ Date</u></b>	<b><u>Classes Resume On</u></b>	<b><u>No of Holidays</u></b>
1	Saraswati Puja	05 February 2022	06 February 2022	1
2	Maghi Purnima	16 February 2022	17 February 2022	1
3	Shaheed Dibash (Observance of International Mother Language Day) Inter House Extempore (Bangla) Competition (Organiser: Debate Club). Inter House Wall Magazine Competition- (Organiser: Creative Writing Club) and a special symposium to observe Shaheed Dibash	21 February 2022	22 February 2022	1
4	Shab-e-Meraj	01 March 2022	02 March 2022	1
5	Shibraatri	01 March 2022	02 March 2022	0
6	Birth Anniversary of Bangabandhu Sheikh Mujibur Rahman & Children's Day (Inter House Extempore Competition) Organizer: Debate Club	17 March 2022	20 March 2022	1
7	Doljatra	18 March 2022		0
8	Shab-E-Barat	20 March 2022	21 March 2022	1
9	Independence Day Inter House Quiz Competition (Organiser: Quiz Club)	26 March 2022	27 March 2022	1
10	Ramadan & Eid vacation, Bengali new year(April 14), Easter Sunday (April 17), May day (May 1),Buddha Purnima (May 8) Note: For office April 27, 2022 to May 8, 2022	03 April 2022 to 08 May 2022	09 May 2022	31
11	Study Leave	29 May 2022		1
12	Term break	19 June 2022 to 30 June 2022		11
13	Reserved Holidays for Principal			3
<b>Total number of Holidays in Final Term:</b>				<b>53</b>

**Examination Schedule For Final Term 2021 – 22**

Mock – 2 Begins	20 February 2022
Mock – 2 Ends	13 March 2022
Mock – 2 Script Showing Day	22 March 2022
Mock – 2 Report Card Day	27 March 2022

The holiday list is subject to appearance to the moon / decision of the concerned authorities.

**BAF SHAHEEN ENGLISH MEDIUM COLLEGE (SEMC)****TEJGAON, DHAKA - 1206****BOOKLIST 2021 - 22****STD –XII (A2)****TEXT BOOKS:**

Subject	Name of 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	Sandie Harrison and David Milner Pub: Hodder Education
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: ( Latest Edi.)	1. By- David Watson and Helen Williams Pub: Hodder Education.
	2. Cambridge International AS and A Level Computer Science: Revision Guide ( Latest Edi.)	2. By- Tony Piper 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
Mechanics	Cambridge International AS and A Level Mathematics: Mechanics Coursebook	Jan Dangerfield, Stuart Haring Series editor: Julian Gilbey Pub: Cambridge University Press
Pure Mathematics 3	Cambridge International AS and A Level Mathematics: Pure Mathematics – 2 & 3 Coursebook	Sue Pemberton, Julianne Hughes Series editor: Julian Gilbey Pub: Cambridge University Press
Statistics 1	Cambridge International AS and A Level Mathematics: Statistics & Probability 1 Coursebook	Dean Chalmers Series editor: Julian Gilbey
Physics	1. Cambridge International AS and A Level Physics Course book ( Latest Edition)	Sang, John, Chadha and Woodside Pub: Cambridge University Press
	2. Cambridge International AS and A Level Physics ( Latest Edition)	Mike Crundell, Geoff Goodwin and Chris Mee Pub: 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 2021-2022**  
**STD-XII**  
**SUBJECT: ACCOUNTING**

<b>Name of the Book</b>	<b>Mid Term</b>	<b>Final Term</b>
	Total No of Working days : 110	Total No of Working days : 103
	Total No of actual Class days (excluding Mid Term exam) : 95	Total No of actual Class days (excluding Final Term exam) : 87
	Total No of Accounting class : 48	Total No of Accounting class : 24
1. Cambridge International AS & A Level Accounting (Latest Edition) -Harold Randall & David Hopkins	<b>1. Manufacturing Accounts</b> No of classes- 3 No of Revision classes- 1 No. of Assessment- 1	<b>12. Auditing &amp; Stewardship</b> No of classes- 3 No of Revision classes- 1
	<b>2. Non-Trading Organizations</b> No of classes- 3 No of Revision classes- 1 No. of Assessment- 1	<b>15. Computerized Accounting System</b> No of classes- 1 No of Revision classes- 1
	<b>3. Cash flow Statements</b> No of classes- 3 No of Revision classes 1 No. of Assessment- 1	<b>16. A Level Question Paper 3 (May/ June 2018 )</b> No of classes- 2 No of Revision classes- 1
	<b>4. Business purchase &amp; Merger</b> No of classes- 4 No of Revision classes- 1	<b>17. A Level Question Paper 3 (October/November 2018)</b> No of classes- 2 No of Revision classes- 1
	<b>5. Consignment &amp; Joint Venture</b> No of classes- 4 No of Revision classes- 1	<b>18. A Level Question Paper 3 (May/ June 2017)</b> No of classes- 2 No of Revision classes- 1
	<b>6. Analysis &amp; Communication of Accounting Systems</b> No of classes- 3 No of Revision classes- 1	<b>19. A Level Question Paper 3 (October/November 2017)</b> No of classes- 2 No of Revision classes- 1
	<b>7. International Accounting Standards</b> No of classes- 2 No of Revision classes- 1	<b>20. A Level Question Paper 3 (May/ June 2016)</b> No of classes- 2 No of Revision classes- 1
	<b>8. Activity Based costing</b> No of classes- 3 No of Revision classes- 1	<b>21 O Level Question Paper 3 (October/November 2016)</b> No of classes- 2 No of Revision classes- 1
	<b>9. Budget &amp; Budgetary Control</b> No of classes- 3 No of Revision classes- 1	
	<b>10. Standard Costing</b> No of classes- 3 No of Revision classes- 1	
	<b>11. Investment Appraisal</b> No of classes- 3 No of Revision classes- 1	
	No. of Assessments – 03	
	No. of Assignment – 01	

Types of Questions and distribution of Marks	<p><b><u>Mock – 1 Exam Total Marks -120</u></b></p> <p><b>Paper-3</b> Structured Question - 120 marks</p> <p><b>Marks Weighing</b></p> <p>100% from Paper 3</p> <p>Assessment marks will be added to the mocks</p>	<p><b><u>Mock – 2 Exam Total Marks -120</u></b></p> <p><b>Paper-3</b> Structured Question - 120 marks</p> <p><b>Marks Weighing</b></p> <p>100% from Paper 3</p> <p>Assessment marks will be added to the mocks</p>

**BAF SHAHEEN ENGLISH MEDIUM COLLEGE**  
**YEARLY SYLLABUS 2021 - 22**  
**STD-XII**  
**SUBJECT: BIOLOGY**

<b>Name of the Books</b>	<b>Mid Term</b>	<b>Final Term</b>
	Total No. of Working Days : 110	Total No. of Working Days : 103
	Total No. of Actual Class Days	Total No. of Actual Class Days
	Total No. of Biology Classes : 95	Total No. of Biology Classes :50
<b>MOCK 1</b>		<b>MOCK 2</b>
Cambridge International AS and A Level Biology Coursebook (Fourth Edition)  By  Mary Jones, Richard Fosbery, Jennifer Gregory and Dannis Taylor	Topic 12 Energy and respiration Topic13 Photosynthesis  No. of Classes - 20 No. of Revision Classes - 02	Topic18 Biodiversity, classification and conservation  No. of Classes - 20 No. of Revision Classes - 05
	14 Homeostasis  No. of Classes - 12 No. of Revision Classes - 02	Topic19 Genetic technology  No. of Classes - 20 No. of Revision Classes -05
	Topic15 Control and co-ordination  No. of Classes - 10 No. of Revision Classes - 02	
	Topic16 Inherited change Topic17 Selection and evolution  No. of Classes - 10 No. of Revision Classes - 02	
	No. of Assessments - 03 No. of Assignment - 01	
<b>Types of Questions and Distribution of Marks</b>	<b><u>Mid Term Exam</u> Total Marks - 130</b> <b>(Mock 1 Exam)</b> Paper 4 A Level Structured Questions -100 Paper 5 Planning, Analysis and Evaluation-30  <b>Total marks: 130</b>  <b><u>Marks Weighing</u></b> From Paper 4 : 77% marks and from Paper 5 : 23% marks will be taken Assessment marks will be added to the mocks	<b><u>Mid Term Exam</u> Total Marks - 130</b> <b>(Mock 1 Exam)</b> Paper 4 A Level Structured Questions -100 Paper 5 Planning, Analysis and Evaluation- 30  <b>Total marks: 130</b>  <b><u>Marks Weighing</u></b> From Paper 4 : 77% marks and from Paper 5 : 23% marks will be taken Assessment marks will be added to the mocks

**BAF SHAHEEN ENGLISH MEDIUM COLLEGE**

**YEARLY SYLLABUS 2021 - 22**

**STD- XII**

**SUBJECT: BUSINESS**

Name of the Books	Mid Term		Final Term	
	Total No. of Working Days :	110	Total No. of Working Days :	103
	Total No. of Actual Class Days (excluding Mid Term exam) :	95	Total No. of Actual Class Days (excluding Final exam) :	87
	Total No. of Business Classes:	50	Total No. of Business Classes:	42
	MOCK – 1		MOCK – 2	
1. Cambridge International AS & A Level  By Sandie Harrison, and David Milner	<b>1 Business and its environment</b>		<b>4. Operations and project management</b>	
	<ul style="list-style-type: none"> <li>• Business structure</li> <li>• Size of business</li> <li>• External influences on business activity</li> </ul>		<ul style="list-style-type: none"> <li>• Operations planning</li> <li>• Capacity utilization</li> <li>• Lean production and quality management</li> <li>• Project management</li> </ul>	
	No. of Classes	- 12	No. of Classes	- 08
	No. of Revision Class	- 02	No. of Revision Class	- 01
	<b>2. People in organizations</b>		<b>5. Finance and accounting</b>	
	<ul style="list-style-type: none"> <li>• Human resource management</li> <li>• Organization structure</li> <li>• Business communication</li> </ul>		<ul style="list-style-type: none"> <li>• Costs</li> <li>• Budgets</li> <li>• Contents of published accounts</li> <li>• Analysis of published accounts</li> <li>• Investment appraisal</li> </ul>	
	No. of Classes	- 08	No. of Classes	- 08
No. of Revision Class	- 02	No. of Revision Class	- 02	
<b>2. Marketing</b>		<b>6. Strategic management</b>		
<ul style="list-style-type: none"> <li>• Marketing planning</li> <li>• Globalization and international marketing</li> </ul>		<ul style="list-style-type: none"> <li>• What is strategic management?</li> <li>• Strategic analysis</li> <li>• Strategic choice</li> <li>• Strategic implementation</li> </ul>		
No. of Classes	- 12	No. of Classes	- 10	
No. of Revision Class	- 02	No. of Revision Class	- 01	
<b>3. Revision week</b>		<b>7. Revision week</b>		
No. of Classes	- 08	No. of Classes	- 10	
No. of Revision Class	- 02	No. of Revision Class	- 02	
No. of Assessments	- 03			
No. of Assignment	- 01			
Types of Questions and distribution of Marks	<b>Mock 1 Total Marks</b>	<b>-100</b>	<b>Mock 2 Total Marks</b>	<b>-100</b>
	Paper 3	100	Paper 3	100
	<b>Total</b>	<b>100</b>	<b>Total</b>	<b>100</b>
	<b><u>Marks Weighing</u></b> <b><u>50% of A levels</u></b>		<b><u>Marks Weighing</u></b> <b><u>50% of A levels</u></b>	
	Assessment marks will be added to the mocks		Assessment marks will be added to the mocks	



**BAF SHAHEEN ENGLISH MEDIUM COLLEGE (SEMC)**  
**YEARLY SYLLABUS 2021-22**  
**STD – XII**  
**SUBJECT: CHEMISTRY**

Name of the Books	Mid Term		Final Term	
	Total No. of Working Days :	110	Total No. of Working Days :	103
	Total No. of Actual Class Days (excluding Mid Term exam) :	95	Total No. of Actual Class Days (excluding Final exam) :	87
	Total No. of Chemistry Classes:	<b>95</b>	Total No. of Chemistry Classes:	60
<b>Cambridge International AS and A Level Chemistry Coursebook</b> -By Lawrie Ryan and Roger Norris -Cambridge University Press	23 Chemical energetics	No of Classes 10	27 Group 2	No of classes 2
	24 Electrochemistry	7	35 Polymerisation	4
	25 Equilibria	6	36 Organic synthesis	4
	26 Reaction kinetics	7	37 Analytical techniques	10
	Review class	7	No. of Revision Class	10
			# Revision of topics 23-37	
			No. of Revision Class	10
		# Solving CAIE A Level Past Papers.		
		No. of Class	10	
		# MOCK Examination on the topics 23-37/full syllabus with Paper 5	10	
	28 An introduction to the chemistry of transition elements	12		
	29 An introduction to organic chemistry	8		
	30 Hydrocarbons	5		
	31. Halogens	2		
	32 Hydroxy compounds	4		
	Review class	5		
	33 Carboxylic acids and derivatives	6		
	34 Nitrogen compounds	6		
	Review class	5		
	No. of Assessments	- 03		
	No. of Assignment	- 01		
Types of Questions and distribution of Marks	<b>MOCK – 1</b>		<b>MOCK – 2</b>	
		<b>Weighting</b>		<b>Weighting</b>
	Paper 4 Theory [100 marks]	38.5%	Paper 4 Theory [100 marks]	38.5%
	Paper 5 Planning, Analysis and Evaluation [30 marks]	11.5%	Paper 5 Planning, Analysis and Evaluation [30 marks]	11.5%
	Paper 1 (forwarded from AS Level)	15.5%	Paper 1 (forwarded from AS Level)	15.5%
	Paper 2 (forwarded from AS Level)	23%	Paper 2 (forwarded from AS Level)	23%
	Paper 3 (forwarded from AS Level)	11.5%	Paper 3 (forwarded from AS Level)	11.5%
	Total 100 Assessment marks will be added to the mocks		Total 100 Assessment marks will be added to the mocks	

**BAF SHAHEEN ENGLISH MEDIUM COLLEGE**  
**YEARLY SYLLABUS 2021 - 22**  
**STD –XII**  
**SUBJECT: COMPUTER SCIENCE**

Name of the Books	Mock – 1		Mock – 2	
	Total No. of Working Days :	110	Total No. of Working Days :	103
	Total No. of Actual Class Days (excluding Mid Term exam) :	95	Total No. of Actual Class Days (excluding Final exam) :	95
	Total No. of CS Classes :	62	Total No. of CS Classes :	15
1. Cambridge International AS and A Level Computer Science: (Latest Edition) By- David Watson and Helen Williams	<b><u>Paper 3: Advanced Theory</u></b> <b>13 Data Representation</b> 13.1 User-defined data types 13.2 File organization and access 13.3 Floating-point numbers, representation and manipulation <b>14 Communication and Internet Technologies</b> 14.1 Protocols <b>15 Hardware and Virtual Machines</b> 15.2 Boolean Algebra and Logic Circuits <b>16 System Software</b> 16.2 Translation Software <b>17 Security</b> 17.1 Encryption, Encryption Protocols and Digital certificates <b>18 Artificial Intelligence (AI)</b> 18.1 Artificial Intelligence (AI) <b>19 Computational thinking and problem-solving</b> 19.1 Algorithms 19.2 Recursion <b>20 Further Programming</b> 20.1 Programming Paradigms		<b><u>Paper 3: Advanced Theory</u></b> <b>13 Data Representation</b>  <b>14 Communication and Internet Technologies</b>  <b>15 Hardware and Virtual Machines</b>  <b>16 System Software</b>  <b>17 Security</b>  <b>18 Artificial Intelligence (AI)</b>  <b>19 Computational thinking and problem-solving</b>  <b>20 Further Programming</b>	
2. Cambridge International AS and A Level Computer Science: Revision Guide By- Tony Piper	No. of Classes - 52 No. of Revision Classes - 04 No. of Assessments: -04	No. of Classes - 12 No. of Revision Classes - 03		

Types of Questions and distribution of Marks	<u>Mock – 1 Exam</u> <b>Total Marks - 150</b>		<u>Mock – 2 Exam</u> <b>Total Marks - 150</b>	
		Paper 3	75	Paper 3
	Paper 4	75	Paper 4	75
	<b>Total</b>	<b>150</b>	<b>Total</b>	<b>150</b>
	<b><u>Marks Weighing</u></b>		<b><u>Marks Weighing</u></b>	
	150 marks converted to 100%		150 marks converted to 100%	
	Assessment marks will be added to the mocks		Assessment marks will be added to the mocks	

**BAF SHAHEEN ENGLISH MEDIUM COLLEGE**  
**YEARLY SYLLABUS 2021 - 22**  
**STD- XII**  
**SUBJECT: ECONOMICS**

Name of the Books	Mid Term	Final Term
	Total No. of Working Days : 110	Total No. of Working Days : 103
	Total No. of Actual Class Days (excluding Mid Term exam) : 95	Total No. of Actual Class Days (excluding Final exam) : 87
	Total No. of Economics Classes: 50	Total No. of Economics Classes: 42
1. Economics for Cambridge International AS & A Level By Terry Cook, Clive Riches, Richard Taylor	<b>1 Basic economic ideas and resource allocation</b> <ul style="list-style-type: none"> <li>• Efficient resource allocation</li> <li>• Externalities and market failure</li> <li>• Social costs and benefits; cost-benefit analysis</li> </ul> No. of Classes - 10 No. of Revision Class - 02	<b>4 The macro economy</b> <ul style="list-style-type: none"> <li>• Economic growth, economic development and sustainability</li> <li>• National Income statistics</li> <li>• Classification of countries</li> <li>• Employment/unemployment</li> <li>• The circular flow of income</li> </ul> No. of Classes - 08 No. of Revision Class - 01
2. Cambridge International AS & A Level Course Book By Colin Bamford and Susan Grant	<b>2. The price system and the micro economy</b> <ul style="list-style-type: none"> <li>• Law of diminishing marginal utility</li> <li>• Indifference curves</li> <li>• Budget lines</li> <li>• Types of cost, revenue and profit, short-run and long-run production</li> </ul> No. of Classes - 09 No. of Revision Class - 02	<b>4 The macro economy</b> <ul style="list-style-type: none"> <li>• Money supply (theory)</li> <li>• Keynesian and Monetarist COLLEGES</li> <li>• The demand for money and interest rate determination</li> <li>• Policies towards developing economies; policies of trade and aid</li> </ul> No. of Classes - 08 No. of Revision Class - 02
	<b>2. The price system and the micro economy</b> <ul style="list-style-type: none"> <li>• Different market structures</li> <li>• Growth and survival of firms</li> <li>• Differing objectives of a firm</li> </ul> <b>3. Government microeconomic intervention</b> <b>Maximum and minimum prices</b> <ul style="list-style-type: none"> <li>• Policies to achieve efficient resource allocation and correct market failure</li> <li>• Equity and policies towards income and wealth redistribution</li> </ul> No. of Classes - 10 No. of Revision Class - 02	<b>5 Government macro intervention</b> <ul style="list-style-type: none"> <li>• Government macro policy aims</li> <li>• Inter-connectedness of problems</li> </ul> No. of Classes - 10 No. of Revision Class - 01
	<b>3. Government microeconomic intervention</b> <b>Maximum and minimum prices</b> <ul style="list-style-type: none"> <li>• Labour market forces and government intervention:                Demand and supply of labour                Wage determination in perfect markets                Wage determination in imperfect markets                Government failure in microeconomic intervention</li> </ul> No. of Classes - 09 No. of Revision Class - 02	<b>5 Government macro intervention</b> <ul style="list-style-type: none"> <li>• Effectiveness of policy options to meet all macroeconomic objectives</li> </ul> No. of Classes - 10 No. of Revision Class - 02
	No. of Assessments - 03	
	No. of Assignment - 01	

<b>Types of Questions and distribution of Marks</b>	<b>Mock 1 Total Marks</b>	<b>-130</b>	<b>Mock 2 Total Marks</b>	<b>-130</b>
	Paper 3	30	Paper 3	30
	Paper 4	70	Paper 4	70
	Assessment	30	Assessment	30
	<b>Total</b>	<b>130</b>	<b>Total</b>	<b>130</b>
	Assessment marks will be added to the mocks		Assessment marks will be added to the mocks	

**BAF SHAHEEN ENGLISH MEDIUM COLLEGE**  
**YEARLY SYLLABUS 2021-22**  
**STD XII**  
**SUBJECT: MECHANICS**

Name of the Books	Mid Term		Final Term	
	Total No. of Working Days :	110	Total No. of Working Days :	103
	Total No. of Actual Class Days (excluding Mid Term exam) :	95	Total No. of Actual Class Days (excluding Final exam) :	87
	Total No. of Mechanics Classes:	50	Total No. of Mechanics Classes :	40
<b><i>Cambridge international AS &amp; A level Mathematics: Mechanics</i></b> <b><i>Jan dangerfield Stuart Haring</i></b> <b><i>Series editor: Julian Gilbey</i></b>	<u>Mock-1</u>		<u>Mock -2</u>	
	1) velocity & acceleration		1) Momentum	
	No. of Classes	7	No. of Classes	4
	No. of Revision Classes	2	No. of Revision Classes	1
	2) Force & motion in one dimension		2) Work & Energy	
	No. of Classes	6	No. of Classes	4
	No. of Revision Classes	2	No. of Revision Classes	2
	3) Forces in two dimension		3) The work-energy principle & power	
	No. of Classes	7	No. of Classes	8
	No. of Revision Classes	2	No. of Revision Classes	1
4) Friction		Solving A Level Question Papers		
No. of Classes	7	Revision from CAIE A Level Past Papers		
No. of Revision Classes	2	Mock Test 2		
5) Connected particles				
No. of Classes	6			
No. of Revision Classes	2			
6) General motion in a straight line				
No. of Classes	5			
No. of Revision Classes	2			
Types of Questions and distribution of Marks	<u>Mock - 1 Exam</u> Total marks – 50		<u>Mock – 2 Exam</u> Total marks – 50	
	<u>Marks Weighing</u> 40% of total AS level Mathematics		<u>Marks Weighing</u> 40% of total AS level Mathematics	

**BAF SHAHEEN ENGLISH MEDIUM COLLEGE**  
**YEARLY SYLLABUS 2021 - 22**  
**STD - XII**  
**SUBJECT: PROBABILITY & STATISTICS (S1)**

Name of the Books	Mid Term		Final Term	
	Total No. of Working Days :	110	Total No. of Working Days :	103
	Total No. of Actual Class Days (excluding Mid Term exam) :	95	Total No. of Actual Class Days (excluding Final exam) :	87
	Total No. of P.Maths-1 Classes:	49	Total No. of P. Maths-1 Classes :	40
<p><i>Cambridge International As and A Level Mathematics: Statistics &amp; Probability 1 Coursebook</i></p> <p>Written by: <b>Dean Chalmers</b>  Series Editor: <b>Julian Gilbey</b></p>	<u>Mock-1</u>		<u>Mock -2</u>	
	1) Representation of data		7) The binomial & geometric distribution 8) The normal distribution	
	No. of Classes	- 04	No. Of Classes	-20
	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	-16
	No. of Revision Classes	- 02	Mock Test 2	
	3) Measures of variation			
	No. of Classes	- 06		
	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 –	50	<u>Mock Exam</u> Total marks –	50
	<u>Marks Weighing</u>	40	<u>Marks Weighing</u>	40

**BAF SHAHEEN ENGLISH MEDIUM COLLEGE**  
**YEARLY SYLLABUS 2021 - 22**  
**STD – XII**  
**SUBJECT: PHYSICS**

<b>Name of the Books</b>	<b>Mock – 1</b>	<b>Mock – 2</b>
	Total No. of Working Days : 110	Total No. of Working Days : 103
	Total No. of Actual Class Days (excluding Mid Term exam) : 95	Total No. of Actual Class Days (excluding Final exam) : 87
	Total No. of Physics Classes : 67	Total No. of Physics Classes: 53
Cambridge International AS/A Level Physics Course Book  By: David Sang, Graham Jones, Gurinder Chadha and Richard Woodside  Cambridge International AS/A Level Physics .  By Mike Crundell, Geoff Goodwin and Chris Mee	<b>Topic-12 Motion in a circle</b> <b>Topic-13 Gravitational fields</b>  No. of Classes – 07 No. of Revision Classes – 04	<b>Topic--- 20 Magnetic fields</b>  No. of Classes – 08 No. of Revision Classes – 03
	<b>Topic-14 Temperature</b> <b>Topic-15 Ideal Gas</b> <b>Topic-16 Thermodynamics</b>  No. of Classes – 07 No. of Revision Classes – 04	<b>Topic---22 Quantum physics</b>  No. of Classes – 07 No. of Revision Classes – 03
	<b>Topic – 17 Oscillations</b>  No. of Classes – 07 No. of Revision Classes – 04	<b>Topic---23 Nuclear Physics</b>  No. of Classes – 09 No. of Revision Classes – 07
	<b>Topic---18 Electric fields</b> <b>Topic – 19 Capacitance</b> <b>Topic – 21 Alternating currents</b>  No. of Classes – 09 No. of Revision Classes – 04	<b>Topic---24 Medical Physics</b> <b>Topic---25 Astronomy and cosmology</b>  No. of Classes – 09 No. of Revision Classes – 07 Including Mock – 1 Syllabus
	No. of Assessments – 03 No. of Assignment – 01	
	<b>Mock – 1 Exam: Total Marks 130</b>  <b>Paper 4 100</b> <b>Paper 5 30</b> <u>Marks Weighing</u> Paper 4 77% Paper 5 23%  Assessment marks will be added to the mocks	<b>Mock – 2 Exam: Total Mark 130</b>  <b>Paper 4 100</b> <b>Paper 5 30</b> <u>Marks Weighing</u> Paper 4 77% Paper 5 23%  Assessment marks will be added to the mocks



**BAF SHAHEEN ENGLISH MEDIUM COLLEGE**  
**YEARLY SYLLABUS 2021-22**  
**STD XII**  
**SUBJECT: PURE MATHEMATICS 3**

Name of the Books	Mid Term	Final Term
	Total No. of Working Days : 181	Total No. of Working Days : 180
	Total No. of Actual Class Days (excluding Mid Term exam) : 95	Total No. of Actual Class Days (excluding Final exam) : 87
	Total No. pure Mathematics Classes: 66	Total No. of pure mathematics Classes : 40
<i>Cambridge international AS &amp; A level Mathematics: Pure mathematics 2 &amp; 3</i>  <i>Sue Pemberton Julianne Hughes Stuart Haring</i>  <i>Series editor: Julian Gilbey</i>	Mock-1	Mock -2
	1) ALGEBRA No. of Classes 6 No. of Revision Classes 2	1) FURTHER CALCULUS No. of Classes 6 No. of Revision Classes 1
	2) LOGARITHM AND EXPONENTIAL FUNCTION No. of Classes 6 No. of Revision Classes 2	2) VECTORS No. of Classes 10 No. of Revision Classes 2
	3) TRIGONOMETRY No. of Classes 5 No. of Revision Classes 2	3) Differential equations No. of Classes 6 No. of Revision Classes 1
	4) Differentiation No. of Classes 6 No. of Revision Classes 2	4) COMPLEX NUMBERS No. of Classes 10 No. of Revision Classes 2
	5) INTEGRATION No. of Classes 4 No. of Revision Classes 1	Solving A Level Question Papers Revision from CAIE A Level Past Papers Mock Test 2
	6) Numerical solutions of equations No. of Classes 3 No. of Revision Classes 1	
	7) FURTHER ALGEBRA No. of Classes 4 No. of Revision Classes 2	
	8) FURTHER CALCULUS No. of Classes 7 No. of Revision Classes 2	
	No. of Assessments 03 No. of Assignment 01	
Types of Questions and distribution of Marks	Mock - 1 Exam Total marks – 75 <b>Marks Weighing</b> 60% of total A level Mathematics Assessment marks will be added to the mocks	Mock - 2 Exam Total marks – 75 <b>Marks Weighing</b> 60% of total A level Mathematics Assessment marks will be added to the mocks

**BAF SHAHEEN ENGLISH MEDIUM COLLEGE**

**YEARLY SYLLABUS 2021 - 22**

**STD- XII**

**SUBJECT: Art & Design**

Name of the Books	Mid Term	Final Term
	Total No. of Working Days : 110	Total No. of Working Days : 103
	Total No. of Actual Class Days (excluding Mid Term exam) : 95	Total No. of Actual Class Days (excluding Final exam) : 87
	Total No. of Classes: 50	Total No. of Classes: 42
	MOCK – 1	MOCK – 2
1. Cambridge International AS & A Level Art & Design Student's Book  Publisher -Collins  Author: Parsons, A; Macfarlane, L and Arnould, L	<b>1 Course work (Component-3)</b> Study from personal investigation <ul style="list-style-type: none"><li>• Parts study</li><li>• facial expression (including anatomy study)</li></ul> No. of Classes - 12 No. of Revision Class - 02	<b>1. Study from different art movement</b> <ul style="list-style-type: none"><li>• <b>Cubism</b></li><li>• <b>Surrealism</b></li><li>• <b>Impressionism</b></li></ul> No. of Classes - 08 No. of Revision Class - 01
	<b>2. photograph from primary source and implementation in work ( Component -3)</b> <ul style="list-style-type: none"><li>• <b>Perspective</b></li><li>• Close up study</li></ul> No. of Classes - 08 No. of Revision Class - 02	<b>2. Developing the idea for the research work</b> <ul style="list-style-type: none"><li>• Establish an own style based on the study</li><li>• Prepare the supporting works and portfolio</li><li>• Explore in different media</li></ul> No. of Classes - 08 No. of Revision Class - 02
	<b>3. Portfolio making for the exam</b> <ul style="list-style-type: none"><li>• Assemble all the works and complete all the supporting works for exam</li></ul> No. of Classes - 12 No. of Revision Class - 02	<b>6. Prepare the written Analysis ( 1000-!500 words) for the component 3</b> <ul style="list-style-type: none"><li>• Analysis the steps of the study.</li><li>• Mention the relation between all supporting works</li><li>• Explain the Final outcome</li></ul> No. of Classes - 10 No. of Revision Class - 01

	<p><b>3. Revision week</b></p> <p>No. of Classes - 08 No. of Revision Class - 02</p>	<p><b>7. Revision week</b></p> <p>No. of Classes - 10 No. of Revision Class - 02</p>
	<p>No. of Assessments – 03 No. of Assignment – 01</p>	
<p><b>Types of Questions and distribution of Marks</b></p>	<p><b><u>Mock 1 Total Marks -100 Component- 3,</u></b> 100 ( weighted to 200 marks)</p> <p><b><u>Total 100 Marks Weighing 50% of A levels</u></b></p> <p>Assessment marks will be added to the mocks</p>	<p><b><u>Mock 2 Total Marks -100 Component -3,</u></b> 100( Weighted to 200 marks)</p> <p><b><u>Total 100 Marks Weighing 50% of A levels</u></b></p> <p>Assessment marks will be added to the mocks</p>