

**BAHRIA COLLEGE KARACHI**  
**CAMBRIDGE WING**  
**(Revised)TIME TABLE SENDUP – 2016-17**

Day	Date	Senior - II	Senior - III	AS Level	A Level
THURSDAY	8-Dec-16	History (0830-1000)	Chemistry I (0830-0930) Chemistry IV (0945-1045)	Biology I (0830-0930) Biology II (0945-1100)	Comp. Sc. III (0830-1000)
		Urdu I (1015-1215)	B. Studies I (0830-1000) B. Studies II (1015-1145)	Accountings I (0830-0930) Accountings II (0945-1115)	B. Studies III (0830-1030)
FRIDAY	9-Dec-16		Chemistry II (0830-1000)	General Paper (0830-1030)	General Paper (0830-1030)
MONDAY	12-Dec-16				
TUESDAY	13-Dec-16	Environmental Management I (0830-1045)	Mathematics I (0830-1030)	Chemistry I (0830-0930) Chemistry II (0945-1100)	Physics IV (0830-1030)
		Sociology I (0830-1030)	Mathematics II (1045-1315)	B. Studies I (0830-0945) B. Studies II (1000-1130)	Accountings III (0830-1130)
WEDNESDAY	14-Dec-16		English I (0830-1000) English II (1015-1200)		
THURSDAY	15-Dec-16		Biology I (0830-0930) Biology II (0945-1130)	Physics I (0830-0930)	Mathematics (0830-1015)
			Comp. Sc. I (0830-1015)	Physics II (0945-1045)	
FRIDAY	16-Dec-16	Islamiyat I (0830-1000)	Biology VI (0830-0930)	Economics I (0830-0930) Economics II (0945-1115)	
			Comp. Sc. II (0830-1015)	Physics III (1000-1200)	
MONDAY	19-Dec-16	Islamiyat II (0830-1000)	Physics I (0830-0930) Physics II (0945-1130)	Mathematics (0830-1015)	Biology IV (0830-1030)
		Urdu II (1015-1200)	Economics I (0830-0915)		Biology V (1045-1200)
TUESDAY	20-Dec-16		Physics IV (0830-0930)		
			Economics II (0830-1045)		
WEDNESDAY	21-Dec-16	Environmental Management II (0830-1000)			Chemistry IV (0830-0930)
		Sociology II (0830-1015)			
THURSDAY	22-Dec-16		Principles of Accountings I (0830-0930) Principles of Accountings II (0945-1145)		
FRIDAY	23-Dec-16	Geography (0800-0930)	Additional Mathematics I (0800-1000)		Economics III (0800-0900)
			Additional Mathematics II (1000-1200)		Economics IV (0915-1130)

**Note:-** Registration for Cambridge International Exams will depend on results of Send up Exams.  
Parents are advised that their child prepares well for these exams.  
Students will be allowed to go home after the exam.  
Parents are requested to arrange for conveyance to pick up their child(ren) on time (specified on the the time table).  
The College buses will leave at the normal school timing i.e. 01:45 pm.  
In case of any uncertain situation, postponed papers will be rescheduled.



**BAHRIA COLLEGE KARACHI**  
**(CAMBRIDGE WING)**  
**SYLLABUS FOR SENDUP 2016-2017**  
**SENIOR – 2**

**ISLAMIYAT :**

**PAPER I:**

1. Passages : All.
2. The History and Importance of Quran: All except Tafseer –ul- Quran
3. The Life and Importance of the Prophet Muhammad (S.A.W.) : All.
4. The First Islamic Community:
  - (a) Wives:
    - i. Hazrat Khadija      ii. Hazrat Ayesha      iii. Hazrat Hafsa
  - (b) Descendants:
    - i. Hazrat Hassan and Hussain (R.A)
  - (c) Companions:
    - i. 4 rightly guided Caliphs, Hazrat Talha & Sa'ad bin Abbi Waqas
    - ii. Scribes: Zaid bin Saabit (R.A)

**Paper II:**

1. Hadith: (1-5, 7, 9, 15, 16)
2. History and Importance of Hadith : All
3. Rightly Guided Caliphs: All except Hazrat Ali (R.A.)
4. Articles/ Pillars : All.

**GEOGRAPHY:**

The Environment of Pakistan  
Unit 1- Unit 12 ( complete syllabus.)

**HISTORY:**

Chapter 1- Chapter 14

**SOCIOLOGY:**

Paper I: Perspectives, Culture and Socialization, Social Stratification and Inequality.

Paper II: 1). Family, 2). Education, 3). Crime & Deviance, 4). Mass Media

**URDU:** Directed writing, dialogue writing, letter, report, translation. Idioms, sentence transformation, close passage, summary, comprehension, Speech writing.

**Environmental Management:** Lithosphere, Hydrosphere, Atmosphere and Biosphere till 4.6.



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**SYLLABUS FOR SENDUP 2016-2017**  
**SENIOR - 3**

**ENGLISH:** Paper I: Story Writing, Personal Narrative, Descriptive Writing, Open Ended Essay, Report/ Account/ Speech (anyone)

Paper II: Comprehension passage (02), Summary, Q/A.

**MATHS:** All topics except Geometrical Transformation, Number Pattern, Group of Inequality, Sets, Functions.

**ADD. MATHS:** Chapter #6 to Chapter # 21

**BIOLOGY:** Chapter 1- Chapter 20

**CHEMISTRY:** All topics except Chapter: Metals and Non-metals, topics: Reversible Reactions, Fuels.

**PHYSICS:** All chapters (Whole Syllabus)

**BUSINESS STUDIES:** Complete Syllabus for Business Studies that includes all 5 sections:

1. Business environment and Regulating and Controlling Business.
2. People in Organization.
3. Marketing.
4. Production/ Operation Management.
5. Business Finance.

**PRINCIPLES OF ACCOUNTS:**

1. Basic of Accounting: All definitions, General Journal, T- accounts, Trial Balance, Cash Book (Two and Three Column), Day Books (All Four), Capital exp and Revenue exp, Capital Scripts and Revenue Scripts, Role of ICT in Accounting, Accounting Standards, Ethics in Accounting.
2. Depreciation
3. Bad and Doubtful Debts.
4. Sole Traders ( Income st and B. Sheet)
5. Partnership.
6. Manufacturing.
7. Ratio Analysis.
8. Bank
9. Control Accounts.
10. Single Entry/ Incomplete records.

11. Employees Pay.
12. Errors not Effecting Trial Balance.
13. Suspense Accounts and Errors.

**ECONOMICS:** All topics.

**COMPUTER SCIENCE:**

**Section 1**

Theory of Computer Science Paper-I

- 1.1 Data representation
  - 1.1.1 Binary systems
  - 1.1.2 Hexadecimal
  - 1.1.3 Data storage
- 1.2 Communication and Internet technologies
  - 1.2.1 Data transmission
  - 1.2.3 Internet principles of operation
- 1.3 Hardware and software
  - 1.3.1 Logic gates
  - 1.3.2 Computer architecture and the fetch execute cycle
  - 1.3.3 Input devices
  - 1.3.4 Output devices
  - 1.3.5 Memory, storage devices and media
  - 1.3.6 Operating systems
  - 1.3.7 High- and low-level languages and their translators

**Section 2**

Practical Problem-solving and Programming Paper-II

- 2.1 Algorithm design and problem-solving
  - 2.1.1 Problem-solving and design
  - 2.1.2 Pseudo code and flowcharts
- 2.2 Programming
  - 2.2.1 Programming concepts
  - 2.2.2 Data structures; arrays
- 2.3 Databases



**BAHRIA COLLEGE KARACHI**  
**(CAMBRIDGE WING)**  
**SYLLABUS FOR SENDUP 2016-2017**  
**AS LEVEL**

**ACCOUNTING:**

1. Absorption Costing and Marginal Costing.
2. FOH Departmentalization/ FOH Recovery Rate.
3. Budgeting.
4. Inventory Valuation.
5. Limiting Factors.
6. Break Even Analysis/ Profit Volume Analysis.
7. Depreciation.
8. Bad and Doubtful Debts.
9. Sole Trader (Income Statement and Balance Sheet with Adjustments)
10. Partnership

**BIOLOGY:**

Chap 1: Cell Structure.

Chap 2: Biological Molecules.

Chap 3: Enzymes.

Chap 4: Cell Membrane and Transport.

Chap 5: The Mitotic Cell Cycle.

Chap 6: Nucleic Acid and Protein Synthesis.

**BUSINESS STUDIES:**

All the Syllabus Covered from the 3 Sections:

Unit 1: Business and its Environment.

Unit 2: People in Organization.

Unit 3: Marketing.

**CHEMISTRY:**

Atomic Structure, Enthalpy Changes, Chemical Bonding, States of Matter, Periodicity, Group 2, Mole Calculation.

**ECONOMICS:**

1. Demand and Supply.
2. PED/ PES

3. Indirect Taxes and Subsidies.
4. Production Possibility Curve (PPF).
5. Price Control.
6. Inflation.

### **GENERAL PAPER:**

1. Travel and Transportation.
2. Refugees.
3. Tourism.
4. Rural Urban Migration.
5. Foreign Aid.
6. Role of the Individual in the Society.
7. Family Types, Functions, Dark Side of the Family, Causes and Consequences of Divorce, Peer Pressure, Child Centeredness, Changes in the Family Post Industrialization.
8. Terrorism.
9. Pollution/ Environmental Concerns.
10. Sports.

### **MATHEMATICS:**

P-I:

Complete Syllabus except:

- i) Vectors.
- ii) Radian.

M-1:

- i) Velocity and Acceleration.
- ii) Force and Motion.
- iii) Vertical Motion.
- iv) Resolving Forces.

### **PHYSICS:**

1. Mechanics.
2. Deformation of Solids.
3. Electric Fields.
4. D.C. Circuit.



**BAHRIA COLLEGE KARACHI**  
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**SYLLABUS FOR SENDUP 2016-2017**  
**A LEVEL**

**ACCOUNTING:**

1. Business Purchase.
2. Published Accounts.
3. Cash Flow Statement.
4. Manufacturing Account.
5. Investment Ratios.
6. Non- Profit Organizations.

**BIOLOGY:**

- Chemical Energy and Respiration.
- Photosynthesis.
- Homeostasis.
- Inherited Change.
- Genetic Technology.

**BUSINESS STUDIES:**

Unit 1: Business and its Environment.

Unit 3: Marketing.

Unit 4: Operations Management.

**CHEMISTRY:**

- Chemical Energetics , Group-II and Entropy
- Ionic Equilibria and Electrochemistry
- Reaction Kinetics and Aromatic Hydrocarbons
- Hydroxy Compounds, Carboxylic acid and Derivative, Organic Nitrogen Compounds
- Revision and Past Papers

**COMPUTER SCIENCE:**

Chap # 16: Data Representation.

Chap # 17: Communication and Internet Technologies.

Chap # 18: Boolean algebra.

Chap # 19: Computer Architecture.

Chap # 20: System Software.

**ECONOMICS:**

1. Consumers Equilibrium.
2. Production.
3. Market Structure.
4. Market Failure.

5. Labor Market.
6. Liquidity Preference Theory.
7. Unemployment.

**GENERAL PAPER:**

- Economic Sanctions.
- History.
- Sports.
- Weapons of War.
- Sea resources.
- Technology.
- Advertising.
- Foreign Languages.
- Mode of Language in Music and Films.

**MATHEMATICS:**

P-3: Complete Syllabus except Vectors.

S-1:

- Representation of Date.
- Measure of Location.
- Measure of Speed.
- Probability.

**PHYSICS:**

1. Mechanics.
2. Ideal Gases.
3. Thermodynamics.
4. Specific Heat
5. Electric Field
6. A.C.
7. Magnetism
8. Electromagnetism
9. Quantum Physics

Q2 OF P-5( ANALYSIS AND EVALUATION)