

BAHRIA COLLEGE ANCHORAGE
CAMBRIDGE WING
SECOND TERM (ANNUAL) EXAMINATION SYLLABUS
SESSION 2022-2023

Class: PI

SUBJECT	SYLLABUS
Mathematics	D1 Chapter 1: Primes, HCF & LCM Chapter 2: Integers, Rational and Real Number Chapter 3: Approximation and Estimation Chapter 4: Basic Algebra and Algebraic Manipulation Chapter 5: Linear Equations and Simple Inequalities Chapter 6: Functions and Linear Graphs Chapter 7: Number Patterns Chapter 8: Percentages Chapter 10: Basic Geometry
English	Course Book Units: 2,6,9,10,11,12,13,14,15,16,17,18, Grammar: Parts of Speech, Singular/Plural, Nouns, Verbs, Adjectives, Relative Pronoun Adverbs, Punctuation, Preposition, Conjunctions, Tenses (Indefinite, Continuous, Perfect) Vocabulary: Synonyms, Antonyms, Homophones, Prefixes, Suffixes, Simile, Metaphor Play: Johnny and the Dead Unseen Composition Writing: Narrative Writing, Descriptive Writing Unseen Comprehension
Urdu	ام المومنین حضرت خدیجۃ الکبریٰ (چمپا) یونٹ نمبر ۵ عرب بچے (چمپا) یونٹ نمبر ۵ سوار محمد حسین (چمپا) یونٹ نمبر ۵ تنظیم برائے اسلامی تعاون (چمپا) یونٹ نمبر ۵ مراۃ العروس سے ایک اقتباس (چمپا) یونٹ نمبر ۶ توصیف کا خواب (سورج مکھی) یونٹ نمبر ۱ چچا چھکن نے ردی نکالی (سورج مکھی) یونٹ نمبر ۳ صفحہ ۶۲، ۶۳، ۲۸ خلاصہ نگاری، مضمون نویسی، جملوں کی بناوٹ، کثیر الانتخابی کلوز عبارت، ترجمہ نویسی، تفہیم نگاری
Biology	Unit 2: Cell and Organisms (Book 7 + Workbook 7) Unit 3: Living things in their Environment (Book 7 + Workbook 7) Unit 4: Variation and Classification (Book 7 + Workbook 7) Unit 1: Plants (Book 8 + Workbook 8) Unit 3: Variation and Inheritance (Book 9 + Workbook 9)

SUBJECT	SYLLABUS
Chemistry	Unit 7: Material Changes (Book 7 + Workbook 7) Unit 8: Mixtures (Book 8 + Workbook 8)
Physics	Unit 10: Energy (Book 7+Workbook 7) Unit 10 Measuring Motion (Book 8 + Workbook 8) Unit 11: Sound (Book 8+Workbook 8)
Computer	Unit 1: Computer System Unit 2: Features of Windows Unit 3: MS Word Advance Features Unit 4: MS Power Point Advance Features Unit 5: MS Excel Advance Features Unit 6: Computer Programming Unit 7: More on Q Basics
Computer Practical	Unit 3: MS Word Advance Features Unit 4: MS Power Point Advance Features Unit 5: MS Excel Advance Features
Islamiyat	1. The life of Holy Prophet (PBUH) 2. Ethics 3. Important personalities of Islam
Muallim-ul-Quran	Unit 4 Lesson 5 ,6,7
Quranic Studies	1. Surah al Ikhlas 2. The story of Prophet Nuh (A.S) 3. Surah al Falak and al Nas
Nazra	Surah Fatiha Surah Falaq Surah Al-Feel Surah Al Ikhlalas
History	Chapter 15: Mughal Empire (I) Chapter 16: Mughal Empire (II) Chapter 17: Mughal Art and architecture Chapter 18: European in South Asia (Presentation + Sources and Keywords)
Geography	Chapter 3: Climate and Human Activities (Book2) Chapter 4: Water the most vital resource (Book 2) Chapter 6: Minerals and Fossil Fuels (Book 2) Chapter 7: Pollution types and its effects (Book 2) Chapter 8: Pollution can it be controlled (Presentation + Sources and geographical terms)

BAHRIA COLLEGE ANCHORAGE
CAMBRIDGE WING
SECOND TERM (ANNUAL) EXAMINATION SYLLABUS
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Class: PII

SUBJECT	SYLLABUS
Mathematics	<p>D1</p> <p>Chapter 9: Rate, Ratio, Time, and Speed</p> <p>Chapter 11: Triangles, Quadrilaterals and Polygons</p> <p>Chapter 12: Geometrical Instructions</p> <p>Chapter 13: Perimeter and Area of plane figures</p> <p>Chapter 14: Volume and Surface Area of prisms and cylinders</p> <p>D2</p> <p>Chapter 1: Direct and inverse proportion</p> <p>Chapter 2: Linear Graphs and Simultaneous Linear Equations</p> <p>Chapter 3: Expansion and Factorization of Quadratic Expression</p> <p>Chapter 4: Further Expansion and Factorization of Algebraic expression</p>
English	<p>Course Book Units: 4, 5, 6, 9, 10, 11, 12, 13, 14</p> <p>Grammar: Direct and Indirect Speech, Active and Passive Voice, Punctuation, Parts of Speech, Figures of Speech</p> <p>Vocabulary: Synonyms, Antonyms, Homophones, Prefixes and Suffixes</p> <p>Novel: Harriet the spy</p> <p>Unseen Composition Writing: Narrative Writing, Descriptive Writing</p> <p>Unseen Comprehension</p>
Urdu	<p>ایک ناقابل فراموش واقعہ (کنول) یونٹ نمبر ۲</p> <p>فاتح سندھ محمد بن قاسم (کنول) یونٹ نمبر ۳</p> <p>مجھے میرے دوستوں سے بچاؤ (کنول) یونٹ نمبر ۴</p> <p>ہم بہنیں ہم بٹیاں (کنول) یونٹ نمبر ۵ ڈاکٹر عبدالقدیر خان (کنول) یونٹ نمبر ۵ کوشش کیے جاؤ (کنول) یونٹ نمبر ۵</p> <p>رسول اکرم ﷺ کے اخلاق (کنول) یونٹ نمبر ۶ علامہ اقبال (کنول) یونٹ نمبر ۶ عبدالستار ایدھی (کنول) یونٹ نمبر ۶</p> <p>قواعد صفحات ۷۹، ۷۷، ۷۸، جملوں کی بناوٹ، کثیر الانتخابی کلوز عبارت، مضمون نویسی، تفہیم نگاری، خلاصہ نگاری، نوٹس نگاری، ترجمہ نویسی</p>
Biology	<p>Unit 1: Plants (Book 9 + Workbook 9)</p> <p>Unit 3: Variation and Inheritance (Book 9 + Workbook 9)</p> <p>Unit 3: The Circulatory System (Book 8 + Workbook 8)</p> <p>Unit 4: Respiration (Book 8 + Workbook 8)</p> <p>Unit 5: Reproduction and Development (Book 8 + Workbook 8)</p>

SUBJECT	SYLLABUS
Chemistry	Unit 5: Energy Changes (Book + Workbook 9) Unit 6: Reactivity (Book + Workbook 9)
Physics	Unit 9 Forces in Action (Book 9 + Workbook 9) Unit 10 Electricity (Book 9 + Workbook 9) Unit 10 Measuring Motion (Book 8 + Workbook 8)
Computer	Unit 1: More about Computer System Unit 2: Word Processing Unit 3: Microsoft Access Unit 4: Working with MS Word 2007 Unit 5: MS Excel 2007 Unit 6: MS Power Point 2007 Unit 10: Malware
Computer Practical	Unit 4: Working with MS Word 2007 Unit 5: MS Excel 2007 Unit 6: MS Power Point 2007
Islamiyat	1. Wives of the Holy Prophet (PBUH) 2. Ten blessed companions 3. Scribes of divine revelation 4. Pillars of Islam (Shahadah, Prayers, Fasting) 5. Passages from Quran (6-10)
Muallim -ul- Quran	Unit 5 Lesson 5,6,7
Quranic Studies	1. Surah Al Lahab 2. The story of Prophet Saleh (A.S) 3. Surah Nasr
Nazra	Surah Quresh Surah Al Lahab Surah Al Nasr Surah Al Kafiroom
History	Chapter 12: American Capitalism and Russian Communism (Presentation Sources and Keywords) Chapter 13: China and Japan (Presentation Sources and Keywords) Chapter 14: End of European Empires Chapter 15: Middle East Chapter 16: India and Pakistan the freedom movement Chapter 17: India and Pakistan towards Independence Chapter 18: Pakistan since 1947
Geography	Chapter 4: World Population (Presentation + Geographical terms and Sources) Chapter 5: Population Issues Chapter 6: Rural settlement and growth in Pakistan Chapter 7: World Urbanization Chapter 8: World development and Globalization

SUBJECT	SYLLABUS
	Chapter 9: Exploring Asia and rest of the world (Presentation + Geographical terms and Sources)

BAHRIA COLLEGE ANCHORAGE ISLAMABAD
CAMBRIDGE SECTION
SECOND TERM (ANNUAL) EXAMINATION SYLLABUS
SESSION 2022-2023

Class: Senior I

SUBJECT	SYLLABUS
Mathematics	D2 Chapter 2: Linear Graphs and Simultaneous Linear Equations Chapter 6: Algebraic Fractions & Formulae Chapter 7: Functions Chapter 10: Pythagoras Theorem Chapter 12: Volumes and Surface Area of Pyramids, Cones, and Spheres Chapter 17: Averages D3 Chapter 1: Quadratic Equations and Functions Chapter 2: Further Functions Chapter 3: Linear Inequalities in one variable Chapter 4: Indices and Standard Form Chapter 5: Applications of Mathematics in Practical Situations Chapter 6: Coordinate Geometry
Add Math	Chapter 1: Functions Chapter 2: Simultaneous Equations Chapter 3: Indices, Surds Chapter 4: Factors and Polynomials Chapter 6: Logarithms and Exponential Functions Chapter 7: Straight Line Graphs
English	Course Book Units: 3,5,6,7,8,9,10 Grammar: Parts of Speech, Figures of Speech (Simile, Metaphor, Onomatopoeia, Alliteration, Personification, Hyperbole) Irregular Verbs, Tenses, Identification and Conversion of Tenses, Active Passive Voice, Direct Indirect Speech Vocabulary: Homophones, Homonyms, Phrasal Verbs, Synonyms, Antonyms, Idioms, Proverbs, Vocabulary Exercises from the Units Directed Writing: Letter Writing. Composition: Narrative Writing, Descriptive writing Unseen Comprehension + Evaluation of Text
Urdu	Paper 1 Ex: 1 Short Question Answer Ex: 2 Multiple Matching Ex: 3 Note Making Ex: 4 Summary Writing Ex: 5 E-mail Writing Paper 2 Ex: 1 Sentence Transformation Ex: 2 Multiple Matching Cloze Passage Ex: 3 Extended Writing/Essay Writing Ex: 4 Translation

SUBJECT	SYLLABUS
History	Chapter 6: Pakistan Movement during the early 20 th century Chapter 7: Khilafat Movement Chapter 8: Pakistan Movement in the year 1927-1939
Geography	Chapter 4: Forest Resources Chapter 5: Mineral Resources Chapter 6: Fishing Industry Chapter 7: Agriculture
Islamiyat	Paper 1 1. Passages from Quran (1-5) 2. Life of Prophet in Madinah 3. The Holy Prophet as the last messenger 4. The Holy Prophet's behavior towards other and letters to emperors 5. Some outstanding qualities of the Holy Prophet Paper 2 1. Major teachings of Hadith (11-20) 2. Articles of faith (angels and revealed books) 3. Pillars of Islam (Zakat and Hajj) 4. Jihad
Computer / Computer Optional	Paper 1 Chapter 1: Data Representation Number System Text, sound and images Data storage and File Compression Chapter 2: Data Transmission Data Packets Types & Methods of Data Transmission Error Detection Techniques Symmetric & Asymmetric Encryption Chapter 4: Software Types of software and interrupts Types of programming language, translators and integrated development environments (IDEs) Paper 2 Chapter 9: Databases Chapter 10: Boolean Logic Standard logic gate symbols The function of the six logic gates Logic circuits, logic expressions, truth tables and problem statements

SUBJECT	SYLLABUS
Physics	1 Motion, forces and energy 1.5.1 Balanced and Unbalanced Forces 1.5.2 Friction 1.5.5 Turning Effect of Forces 1.6 Momentum 1.7 Energy, work and power 1.8 Pressure 2 Thermal physics 2.1 Kinetic particle model of matter 2.2 Thermal properties and temperature 2.3 Transfer of thermal energy
Chemistry	1 Atoms, elements and compounds 1.1 Elements, compounds and mixtures 1.2 Atomic structure and the Periodic Table 1.3 Isotopes 1.4 Ion and ionic bonds 1.5 Simple molecules and covalent bonds 1.6 Giant covalent structures 1.7 Metallic bonding 2 Stoichiometry 2.1 Formulae 2.2 Relative masses of atoms and molecules 2.3 The mole and the Avogadro constant 3 The Periodic Table 3.1 Arrangement of elements 3.2 Group I properties 3.3 Group VII properties 3.4 Transition elements 3.5 Noble gases
Biology	Unit 6 Plant Nutrition Unit 7 Transport in Flowering Plants Unit 8 Human Nutrition Unit 9 Human Gas Exchange Unit 10 Respiration Unit 11 Transport in Human Unit 12 Disease and Immunity
Economics	<u>Section: II The Allocation Of Resources</u> Chapter 9: Price Determination Chapter 10: Price Changes Chapter 11: Price Elasticity of Demand (PED) Chapter 12: Price Elasticity of Demand (PES) Chapter 13: Market Economic system Chapter 14: Market Failure Chapter 15: Mixed Economic system <u>Section: III Microeconomic Decision Makers</u> Chapter: 19 Trade Unions

SUBJECT	SYLLABUS
Accounting	<ol style="list-style-type: none"> 1. Final account of sole Trader 2. Adjustment <ol style="list-style-type: none"> a. Depreciation b. Provision of bad debts c. Prepaid and accruals d. Interest on loan 3. Depreciation <ol style="list-style-type: none"> a. Straight line method b. Diminishing method.
Business Studies	<ol style="list-style-type: none"> 1. Motivation theories 2. Rewards and methods of motivation. 3. Organization Structure. 4. Management and leadership style. 5. Trade Union 6. Stages of recruitment and selection 7. Training and its type 8. Downsizing and legal control on employment 9. Methods of communication and effective communication 10. Communication Barriers