CLASS 10 CURRICULUM
ACADEMIC YEAR 2023-2024

ENGLISH LANGUAGE 1123
CAMBRIDGE O LEVEL ENGLISH LANGUAGE SECOND EDITION
(JOHN REYNOLDS/ PATRICIA ACRES)

CHAPTER 1: Reading and Writing Skills

CHAPTER 3: Reading Comprehension

CHAPTER 4: Descriptive Writing

CHAPTER 5: Summary Writing

CHAPTER 6: Narrative Writing

CHAPTER 8: Writing to Argue/ Persuade

CHAPTER 10: Directed Writing

LITERATURE IN ENGLISH 2010
- Stories of Ourselves (Volume 2 Part 3)
- Critical analysis of texts
- Use of Language
- Writer's craft and effects of specific words
- Motifs and themes
- Symbolism
- Character Analysis
- Structural Analysis

SECOND LANGUAGE URDU 3248
URDU SYLLABUS B (AAMIR WAHEED QAMAR)

1: تفہیم پڑھ کر مختصر سوالات کے جوابات لکھیئے۔ معروضی سوالات

2:ای میل لکھیئے،تصویر دیکھ کر کہانی مکمل کیجیئے ،تصویر دیکھ کر ای میل لکھیئے۔

3:مضمون نگاری/ تخلیقی لکھائی۔

4:عبارت برائے ترجمہ: انگریزی سے اُردو لکھیئے۔

5:جملوں کی ساخت میں تبدیلی

مناسب الفاظ کے ذریعے جملہ مکمل کریں کہ مفہوم نہ بدلے ،حال،ماضی اور مستقبل کے جملے ،مذکر/ مؤنث کے جملے ، الفاظ /ضد کے جملے، واحد /جمع کے جملے ،جملے سے جملہ بنانا۔

6: محاورات کا مضمون اور ای میل میں استعمال۔

7:نکات بنانا پھر خلاصہ لکھنا۔

8:مخفی عبارت/کلوز پیسج/خالی جگہ پُر کریں۔(درست الفاظ پر نشان لگائیے۔)

ISLAMIYAT 2058
ISLAMIAT: A CORE TEXT FOR O LEVEL
CAMBRIDGE O LEVEL ISLAMIAT
ISLAM: BELIEFS AND PRACTICES
WHEN THE MOON SPLIT

- Ahadith 16-20
- The History and Importance of the Quran, Sunnah, Ijma and Qiyas
- The Four Rightly Guided Caliphs
    1. Hz Abu Bakr (R.A)
    2. Hz Umer (R.A)
    3. Hz Usman (R.A)
    4. Hz Ali (R.A)
- The First Muslim Community (The mothers of the Faithful, Ten Blessed Companions, Scribes of the Divine Revelation, Descendants of the Prophet (p.b.u.h) & other prominent companions)

MATHEMATICS (SYLLABUS D) 4024

NEW SYLLABUS MATHEMATICS BOOK 2

CHAPTER 15: PROBABILITY OF SINGLE EVENTS

15.1 Introduction to Probability

15.2 Sample Space

15.3 Probability of Single Events

15.4 Further Examples on Probability of Single Events

NEW SYLLABUS MATHEMATICS BOOK 3

CHAPTER 5: APPLICATION OF MATHEMATICS IN PRACTICAL SITUATIONS

5.1 Profit and Loss

5.2 Discount, Taxation and Commission

5.3 Simple Interest and Compound Interest

5.4 Hire Purchase

5.5 Money Exchange

CHAPTER 6: COORDINATE GEOMETRY

6.1 Gradient of a Straight Line

6.2 Length of a Line Segment

6.3 Equation of a Straight Line

6.4 Parallel and Perpendicular Lines

CHAPTER 7: GRAPHS OF FUNCTIONS AND GRAPHICAL SOLUTION

7.1 Graphs of Cubic Functions

7.2 Graphs of Reciprocal Functions

7.3 Graphs of Exponential Functions

7.4 Gradient of a Curve

7.5 Applications of Graphs in Real-World Contexts

CHAPTER 8: FURTHER TRIGNOMETRY

8.1 Sine and Cosine of Obtuse Angles

8.2 Area of Triangle

8.3 Sine Rule

8.4 Cosine Rule

CHAPTER 9: APPLICATIONS OF TRIGNOMETRY

9.1 Angles of Elevation and Depression

9.2 Bearings

9.3 Three-Dimensional Problems

CHAPTER 13: GEOMETRICAL PROPERTIES OF CIRCLES

13.1 Symmetric Properties of Circles

13.2 Angle Properties of Circles

NEW SYLLABUS MATHEMATICS BOOK 4

CHAPTER 1: LINEAR INEQUALITIES IN TWO VARIABLES
1.1   Linear Inequalities in Two Variables
1.2   Application of Systems of Linear Inequalities in Two Variables in Real-World Contexts

ADDITIONAL MATHEMATICS 4037

THINK ADDITIONAL MATHEMATICS

CHAPTER 9: CIRCULAR MEASURE
9.1 Radian measure
9.2 Arc length and area of a sector

CHAPTER 10: TRIGNOMETRIC FUNCTIONS AND GRAPHS
10.1 Trignometric ratios of acute angles and special angles
10.2 Trignometric ratios of general angles
10.3 Trignometric functions and graphs

CHAPTER 11: TRIGNOMETRIC EQUATIONS AND IDENTITIES
11.1 Trignometric equations
11.2 Trignometric identities
11.3 Proving of identities

CHAPTER 12: PERMUTATIONS AND COMBINATIONS
12.1 Factorial notation
12.2 Arrangements
12.3 Permutations
12.4 Combinations

CHAPTER 13: SERIES
13.1 Binomial expansion of $(1 + b)^n$
13.2 Binomial expansion of $(a + b)^n$
13.3 Applications of the Binomial Theorem in real-world contexts
13.4 Arithmetic progressions
13.5 Geometric progressions

CHAPTER 14: GRADIENTS, DERIVATIVES AND DIFFERENTIATION TECHNIQUES
14.1 Derivatives and gradient functions
14.2 Five rules of differentiation
14.3 Higher derivatives
14.4 Increasing and decreasing functions

COMPUTER SCIENCE 2210

CAMBRIDGE IGCSE AND O LEVEL COMPUTER SCIENCE

BIOLOGY 5090

CAMBRIDGE IGCSE BIOLOGY COURSEBOOK BY MARY JONES AND GEOFF JONES

CHEMISTRY 5070

CHEMISTRY MATTERS 4TH EDITION

CHAPTER 10: CHEMICAL CALCULATIONS
- Calculations from Chemical Reactions
- The Volume of Reacting Gases
- Limiting Reactants
- Percentage Yield and Percentage Priority

CHAPTER 11: ACIDS AND BASES
- Acids
- Bases and Alkalis
- Strength and Concentration
- The pH scale
- Types of Oxides

CHAPTER 12: SALTS
- Salts
- Preparation of Salts
- Qualitative Analysis

CHAPTER 13: OXIDATION AND REDUCTION
- Oxidation and Reduction as Gain or Loss of Oxygen
- Oxidation and Reduction as Gain or Loss of Hydrogen
- Oxidation and Reduction as Gain or Loss of Electrons
- Oxidation and Reduction in Terms of Changes in Oxidation State
- Identifying Redox Reactions
- Oxidising and Reducing Agents

CHAPTER 14: METALS
- Metals and Alloys
- The Reactivity Series
- Using the Reactivity Series
- Extracting Metals
- Uses of Steel
- Rusting
- Recycling Metals

CHAPTER 17: ENERGY CHANGES
- Exothermic and Endothermic Changes
- Bond Breaking and Bond Making
- Activation Energy and Energy Profile Diagrams
- Combustion of Fuels

CHAPTER 19: AMMONIA
- Reversible Reactions
- Manufacturing Ammonia by the Haber Process
- Displacement of Ammonia from its salts

PHYSICS 5054

PHYSICS MATTERS 4TH EDITION

THEME 2 THERMAL PHYSICS
- Chapter 8: Temperature
  - 8.1 Measurement of Temperature
  - 8.2 Calibrating a Thermometer
- Chapter 10: Transfer of Thermal Energy
  - 10.1 Transfer of Thermal Energy
  - 10.2 Conduction
  - 10.3 Convection
  - 10.4 Radiation
  - 10.5 Application of Thermal Energy Transfer
- Chapter 11: Thermal Properties of Matter
  - 11.1 Heat Capacity and Specific Heat Capacity
  - 11.2 Melting and Solidification
  - 11.3 Boiling and Condensation
  - 11.4 Latent Heat and Specific Latent Heat
  - 11.5 Evaporation

THEME 3 LIGHT, WAVES AND SOUND
- Chapter 12: Light
  - 12.1 Reflection of Light
  - 12.2 Refraction of Light
  - 12.3 Total Internal Reflection
  - 12.4 Refraction by Thin Lenses
  - 12.5 Ray Diagrams for Thin Converging Lenses
- Chapter 13: Waves
  - 13.1 Introducing Waves
  - 13.2 Properties of Wave Motion
- Chapter 14: Electromagnetic Waves
  - 14.1 Electromagnetic Waves
  - 14.2 Applications and Effects of Electromagnetic Waves

- Chapter 15: Sound
    - 15.1   What is Sound?
    - 15.2   Transmission of Sound
    - 15.3   Reflection of Sound
    - 15.4   Ultrasound
    - 15.5   Pitch and Loudness

THEME 4 ELECTRICITY AND MAGNETISM
- Chapter 16: Static Electricity
    - 16.1   Electrostatics
    - 16.2   Principles of Electrostatics
    - 16.3   Electric Field

PAKISTAN STUDIES 2059
PAPER 1
HISTORY AND CULTURE OF PAKISTAN- NIGEL KELLY
SECTION 2: THE EMERGENCE OF PAKISTAN 1906-1947
Chapter 9: How important were attempts to find a solution to the problems facing the subcontinent in the years 1940-1947?
Chapter 10: How important were the contributions of Jinnah, Allama Iqbal and Rehmat Ali to the success of the Pakistan Movement?

SECTION 3: NATIONHOOD 1947-1999
Chapter 11: How successful was the establishment of an independent nation between 1947 and 1948?
Chapter 12: How far did Pakistan achieve stability following the death of Jinnah?
Chapter 13: Why did East Pakistan seek and then form the independent state of Bangladesh?
Chapter 14: How successful was Pakistan in the 20 years following the 'Decade of Progress'?
Chapter 15: How effective were Pakistan's governments in the final decade of the 20th century?
Chapter 16: How important has Pakistan's role been in international affairs since 1947?

PAPER 2
THE ENVIRONMENT OF PAKISTAN- HUMA NAZ SETHI
UNIT 7: AGRICULTURAL DEVELOPMENT
- Small-scale Subsistence Farming
- Cash-Crop Farming
- Agricultural Products in Pakistan
- Livestock farming in Pakistan
- Factors Affecting Agricultural Production
- Land Reforms
- Farming and the Environment
- The Government's Efforts to Improve Agricultural Production
- Sustainable Development with Agriculture

UNIT 8: POWER RESOURCES
- Non-renewable Energy Resources
- Alternative Energy Resources
- Pakistan's Energy Crisis and Alternative Sources of Energy
- National Grid System
- Rural Electrification
- Power Resources and Economic Development
- Sustainable Development of Power Resources

UNIT 9: INDUSTRIAL DEVELOPMENT SECONDARY AND TERTIARY INDUSTRIES
- Secondary Industry
- Principal Factory Industries in Pakistan
- Special Industrial Zones
- Government Industrial Policy since Independence
- Formal and Informal Sectors
- Cottage/ Craft and Small-scale Industries in Pakistan
- Industrialisation and Environmental Concerns
- Tertiary Industry
- Tourism
- Call Centres

UNIT 10: TRADE
- How do we Benefit from Trade?
- Exports and Imports
- Imports of Pakistan
- GDP (Gross Domestic Product) and GNP (Gross National Product)
- Trade Routes
- The Balance of Payments Position
- Export Processing Zones
- Trade Barriers
- Trading Blocs
- Trade Development Authority of Pakistan (TDAP)

UNIT 11: TRANSPORT AND TELECOMMUNICATIONS
- Pakistan Railways
- Dry Ports
- Roads
- Air Transport
- Water Transport
- Gwadar Port
- Benefits of Developing the Transport System
- Telecommunications

UNIT 12: POPULATION AND EMPLOYMENT
- Population Growth
- The Demographic Transition Model
- Population Structures
- Population Structures and Development Employment
- Unemployment
- Population Distribution and Density
- Migration

ACCOUNTING 7707

CAMBRIDGE IGCSE AND O LEVEL ACCOUNTING COURSE BOOK 2nd EDITION (Catherine Coucom)
CHAPTER 9: Financial Statements- Part B
CHAPTER 10: Accounting Rules
CHAPTER 11: Other Payables and Receivables
CHAPTER 12: Depreciation
CHAPTER 14: Bank Reconciliation
CHAPTER 15: Journal Entries and Correction of Errors
CHAPTER 16: Control Accounts
CHAPTER 20: Accounts of Manufacturing Businesses

BUSINESS STUDIES 7115

IGCSE BUSINESS STUDIES

SECTION 2: PEOPLE IN BUSINESS
- Recruitment, Selection and Training of Employees
- Internal and External Communication

SECTION 3: MARKETING
- Marketing, competition and the customer
- Market research
- The marketing mix- product
- The marketing mix- price
- The marketing mix- place
- The marketing mix- promotion
- Technology and the marketing mix
- Marketing strategy

ECONOMICS 2281

CAMBRIDGE IGCSE & O LEVEL ECONOMICS (SUSAN GRANT)

CHAPTER 2: ALLOCATION OF RESOURCES
2.3 Demand
- Definition of demand
- Price and demand
- Individual and market demand
- Conditions of demand

2.4 Supply
- Definition of supply
- Price and supply
- Individual and market supply
- Conditions of supply

2.5 Price determination
- Market equilibrium
- Market disequilibrium

CHAPTER 3: MICROECONOMIC DECISION MAKERS

3.1 Money and banking
- Money
- Banking

3.2 Households
- The influences on spending, saving and borrowing

3.3 Workers
- Factors affecting an individual's choice of occupation
- Wage determination
- Reasons for differences in earnings
- Divisions of labour/ specialization

3.4 Trade unions
- Definition of a trade union
- The role of trade unions in the economy
- The advantages and disadvantages of trade union activity

3.5 Firms
- Classification of firms
- Small firms
- Causes and forms of the growth of firms
- Mergers
- Economies and diseconomies of scale

3.6 Firms and production
- Production and productivity
- Labour-intensive and capital-intensive production
- Demand for factors of production

3.7 Firms' costs, revenues and objectives
- Definition of costs of production
- Calculation of costs of production
- Definition of revenue
- Calculation of revenue
- Objectives of firms

3.8 Market structure
- Competitive markets
- Monopoly markets

CHAPTER 4: GOVERNMENT AND THE MACROECONOMY

4.1 The role of government
- The role of government

4.2 The macroeconomic aims of government
- The macroeconomic aims of government
- Possible conflicts between macroeconomic aims

4.3 Fiscal policy
- Definition of the budget
- Reasons for government spending
- Reasons for taxation
- Principles of taxation

- Classification of taxes
- Impact of taxation
- Definition of fiscal policy
- Fiscal policy measures
- Effects of fiscal policy on government macroeconomic aims

4.4 Monetary policy
- Definition of money supply and monetary policy
- Monetary policy measures
- Effects of monetary policy on government macroeconomic aims

4.5 Supply-side policy
- Definition of supply-side policy
- Supply-side policy measures
- Effects of supply-side policy measures on government macroeconomic aims

4.6 Economic growth
- Measurement of economic growth
- Definition of economic growth
- Causes of economic growth
- Causes and consequences of recession
- Consequences of economic growth
- Policies to promote economic growth

4.7 Employment and unemployment
- Definition of employment, unemployment and full employment
- Changing patterns and level of employment
- Measurement of unemployment
- Causes/ types of unemployment
- Consequences of unemployment
- Policies to reduce unemployment

4.8 Inflation and deflation
- Definition of inflation and deflation
- Measurement of inflation and deflation
- Causes of inflation and deflation
- Consequences of inflation and deflation
- Policies to control inflation and deflation

ART AND DESIGN 6090

1. Using media effectively.
2. Mediums such as acrylics and water colours will be introduced.
3. Experimentation and research on different artists.
4. Working on artist reference and collaborating with their work.
5. Still Life on different topics related to everyday life.

SOCIOLOGY 2251

CAMBRIDGE IGCSE SOCIOLOGY COURSEBOOK- Jonathan Blundell

UNIT 5: EDUCATION
   a) What is the function of education?
   b) What factors help to explain differences in educational achievements?

UNIT 2: CULTURE, IDENTITY AND SOCIALISATION
   a) What is the relationship between individual and society?
   b) How do we learn to be human?

GLOBAL PERSPECTIVES 2069

CAMBRIDGE IGCSE AND O LEVEL GLOBAL PERSPECTIVES COURSEBOOK- Keely Laycock

CHAPTER 3:
INDEPENDENT LEARNING SKILLS
- Memory
- Note Taking
- Reflection
- Evaluation

INDIVIDUAL REPORT WRITING
- Changing Communities
- Digital World
- Family

TEAM PROJECT
- Conflict and Peace
- Human Rights
- Poverty and Inequality