



مدرسة القديسة مريم الكاثوليكية الثانوية – دبي
ST. MARY'S CATHOLIC HIGH SCHOOL, DUBAI

Portion of final Exam – Academic year 2024-2025)

Portion of year12 Arabic (A)

المادة المقررة لامتحان اللغة العربية الفترة الأخيرة

الصف الثاني عشر

القراءة:

- 1- نصوص قرائية خارجية.
- 2- النصوص من حولنا (2).
- 3- مثل هذه الأمة مثل أربعة نفر.
- 4- شعر من العصر العباسي- أراك عصي الدمع
- 5- قصة قصيرة: قصص على حبل الغسيل.
- 6- نص معلوماتي : كيف نحيا بلا بلاستيك؟

النحو

- 1- أفعال المقاربة والشروع والرجاء. 2- النداء 3- البدل
- 4- جميع المهارات النحوية التي سبق دراستها
(اسما الزمان والمكان- الجملة الفعلية – الجملة الاسمية)

البلاغة

- 1- الصور البيانية (التشبيه و الاستعارة)
- 2- المحسنات البديعية (الطباق والمقابلة – والترادف - الجناس)
- 3-الاسلوب الخبري والانشائي بأنواعه.

الكتابة

- الكتابة في أحد أنواع النصوص التالية:
- السردية أو المعلوماتية أو الإقناعية أو الوصفية
- كتابة نص من وجهة نظر راوٍ آخر.
- تلخيص نص متبعا معايير تلخيص النصوص.



BIOLOGY

PORTION FOR FINAL EXAMINATION - MAY 2025

YEAR 12 – BIOLOGY

Biology B - Book 1

Topic 1- Biological molecules

- 1.1- Chemistry for life.
- 1.2- Biological molecules 1
- 1.3- Biological molecules 2
- 1.4- Enzymes

Text Book – Pg 8 - 67

Topic 2- Cells and viruses

- 2.1- Prokaryotic cells.
- 2.2- Eukaryotic cells.
- 2.3- Eukaryotic cell division
- 2.4- Meiosis & sexual reproduction

Text Book – Pg 68 – 149

Topic 3- Classification

- 3.1- Classification
- 3.3- Biodiversity
- 3.3 1- Importance of biodiversity
- 3.3 2- Biodiversity within a species

Text Book – Pg 150 – 201

Topic 4 – Exchange and transport

- 4.1- Cell transport mechanisms
- 4.2- Gas exchange
- 4.3- Circulation

Text Book – Pg 210 -275

Practical skills & Statistical Analysis

Biology B - Book 2

Topic 7 – Modern genetics

- 7.1 -Using gene sequencing

Text Book – Pg 94 - 105



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BUSINESS

PORTION FOR FINAL EXAMINATION - MAY 2025

YEAR 12

- Theme 1
- Theme 2



CHEMISTRY

YEAR 12 – CHEMISTRY

TOPIC 1 - Atomic structure and the Periodic Table

1.1 Atomic structure

1.2 The Periodic Table

TOPIC 2 - Chemical Bonding and structure

2.1 Giant Structures

2.2 Discrete Molecules

2.3 Physical properties related to structure and bonding.

TOPIC 3 - Redox Reactions

3.1 – Oxidation and reduction in terms of electrons

3.2 – Oxidizing agents and reducing agents

TOPIC 4- Inorganic chemistry and the periodic table

4.1 – Group 2

4.2 – Group 7

TOPIC 5- Formulae, equation and amount of substance

5.1- Empirical and molecular formulae

5.2- Amount of substance

5.3- Equations and calculations

5.4- Errors and Uncertainties

5.5- Yield and atom economy

5.6- Types of reaction



CHEMISTRY

TOPIC 6 – Organic chemistry

6.1 – Introduction to organic chemistry

6.2 – Hydrocarbons

6.3 – Halogenoalkanes

6.4 – Alcohols

TOPIC 7 – Modern analytical techniques

7.1 – Mass spectroscopy

7.2 – Infrared spectroscopy

TOPIC 8- Chemical Energetics

8.1 – Heat energy and Enthalpy

8.2 – Bond Enthalpy

TOPIC 9 – Reactions kinetics

9.1 – Reaction rate

TOPIC 10 – Chemical equilibrium

10.1 – Reversible reactions and dynamic equilibrium

10.2 – Equilibrium position



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ECONOMICS

PORTION FOR FINAL EXAMINATION - MAY 2025

Year 12

Edexcel A level

Economics by Alain Anderton Sixth Edition

- Theme 1
Chapters: 1 – 21
- Theme 2
Chapters: 22 – 40

Inclusive of all the material given in Google classroom.



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Portion of Year 12 Islamic A Final Exam May/June 2025

المادة المقررة لامتحان النهائي في التربية الإسلامية للصف الثاني عشر عرب

- 1- الاقتداء بالرسول ﷺ (سورة الأحزاب 21- 27) مع حفظ الآيات .
- 2- أقسام الحديث الشريف .
- 3- منهج الإسلام في بناء الأسرة .
- 4- وصايا وتوجيهات أخلاقية (سورة الأحزاب 28-35) دون حفظ الآيات .
- 5- أم سلمة رضي الله عنها .
- 6- القواعد الفقهية .
- 7- المحرمات من النساء .
- 8- من معالم رحمة الرسول ﷺ .

** ملحوظة :

** سيتضمن الاختبار ما تم كتابته في الدفتر وأوراق العمل ، والتجويد: القلقله و الإظهار والإدغام

والمد (استخراج أحكام التجويد من الآيات فقط) .



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ISLAMIC STUDIES “B”

PORTION FOR THE FINAL EXAMS - MAY 2024-2025

YEAR 12

1. Sources of Islamic
2. The Islamic Methodology of raising families
3. Milestones of Planning in the Prophet's Sirah
4. Umm Salamah
5. Categories of Hadith
6. Shura
7. Social Controls
8. Islam and Social Networking

FINAL EXAMINATION PORTION – MAY 2025

YEAR 12 - MATHEMATICS (Pure Math & Statistics)

Paper 1- PURE MATHEMATICS(CAL) – 100 MARKS(2 hours)

- Chapter 1 – Algebraic expressions
- Chapter 2 – Quadratics
- Chapter 3 – Equations and inequalities
- Chapter 4 – Graphs and transformations
- Chapter 5 – Straight line graphs
- Chapter 6 – Circles
- Chapter 7 – Algebraic methods
- Chapter 8 – The binomial expansion
- Chapter 9 – Trigonometric ratios
- Chapter 10 – Trigonometric identities and equations
- Chapter 11 – Vectors
- Chapter 12 – Differentiation
- Chapter 13 – Integration
- Chapter 14 – Exponentials and Logarithms

Paper 2- STATISTICS(CAL) – 100 MARKS(2 hours)

BOOK 1

- Chapter 1 – Data Collection
- Chapter 2 – Measures of Location and Spread
- Chapter 3 – Representation of Data
- Chapter 4 – Correlation
- Chapter 5 – Probability
- Chapter 6 – Statistical distributions
- Chapter 7 – Hypothesis Testing

BOOK 2

- Chapter 1 – Regression, Correlation and Hypothesis Testing
- Chapter 2 – Conditional Probability
- Chapter 3 – The Normal Distribution



PHYSICS

YEAR 12 - PORTION FOR FINAL EXAMINATION - MAY 2025

Topic 1 - Working as a Physicist (1-2)

Topic 2 - Mechanics

2.1 Motion

2.2 Energy

2.3 Momentum

Topic 3 - Electric circuits

3.1 Electrical quantities

3.2 Complete Electrical circuits

Topic 4 - Materials

4.1 Fluids

4.2 Solid Material properties

Topic 5- Waves and Particle nature of light

5.1 Basic waves

5.2 The behaviour of waves

5.3.5 Polarisation

5.4 Quantum Physics

1- Wave particle duality

2- Photoelectric effect

And questions based on Practical skills from all topics.



Psychology
Final Examination Portion
Year 12
May 2025

Sr. No.	Topics
1	<p>Social Psychology</p> <p>Chapter 1: Social Psychology, page 4-69</p> <ul style="list-style-type: none">- An introduction to social psychology- Content in social psychology- Methods on social psychology- Studies in social psychology- Key questions in social psychology- Practical investigation in social psychology <p>Chapter 5: Methods in Social Psychology, page 282 - 314</p> <p>Chapter 6: Mathematical elements in Social Psychology, page 387-399</p> <p>Chapter 7: Practical investigation in Social Psychology, page 417- 430</p>
2	<p>Cognitive Psychology</p> <p>Chapter 2: Cognitive Psychology, page 74-129</p> <ul style="list-style-type: none">- An introduction to cognitive psychology- Content in cognitive psychology- Methods in cognitive psychology- Studies in cognitive psychology- Key questions in cognitive psychology- Practical investigation in cognitive psychology- Issues and debates in cognitive psychology <p>Chapter5: Methods in Cognitive Psychology, page 315 – 339</p> <p>Chapter 6: Mathematical elements in Cognitive Psychology, page 400 - 406</p> <p>Chapter 7: Practical investigation in Cognitive Psychology. page 431-442</p>

3	<p>Biological Psychology</p> <p>Chapter 3: Biological Psychology, page 132-174; 176-183</p> <ul style="list-style-type: none"> - An introduction to biological psychology - Content in biological psychology - Classic Study in biological psychology <p>Chapter 5: Methods in biological psychology, page 339 – 363</p>
4	<p>Learning Theories</p> <p>Chapter 4: Learning Theories, page 203-257; 258-262</p> <ul style="list-style-type: none"> - An introduction to learning theories - Content in learning theories - Classic Study in learning theories <p>Chapter 5: Methods in learning theories, page 364-383</p>

- Refer to the psychology textbook and notebook; and all relevant resources, powerpoint presentation and notes shared in google classroom.