

**IB ENGLISH LANGUAGE & LITERATURE  
MIDTERM EXAM TOPICS 12<sup>th</sup> GRADE (6<sup>th</sup> FORM)  
MS. KARINA SANG  
FIRST SEMESTER  
DECEMBER 2021**

**Paper 1: Guided Textual Analysis.**

Paper 1 contains two previously unseen non-literary passages and students are instructed to write a separate guided analysis of each of these passages. The exam will take 2 hours and 15 minutes.

*Students should be able to read each passage to:*

- Answer one guiding question for each passage on a central technical or formal element that may provide an interesting point of entry into the text
- Demonstrate an understanding of the text and draw reasoned conclusions from implications in it
- Support ideas with references to the text (passage)
- Analyse and evaluate how textual features and/or authorial choices shape meaning
- Create an organized, coherent and focused written presentation of ideas
- Use clear, varied and accurate language
- Use an appropriate choice of register and style (“Register” refers, in this context, to the candidate’s use of elements such as vocabulary, tone, sentence structure and terminology appropriate to the analysis).

*Additionally, students need to review:*

- How to unpack a guiding question (identify what the task asks the student to do)
- How to write and develop a logical argument
- How to write a PEE chain paragraph
- How to use clear, varied and accurate language
- How to structure an essay
- How to use appropriate register, style and terminology

**IB MATHEMATICS: ANALYSIS & APPROACHES SL  
MIDTERM EXAM TOPICS 12<sup>th</sup> GRADE (6<sup>th</sup> FORM)  
GERALDINE ABINADER  
FIRST SEMESTER  
DECEMBER 2021**

*From 2020-2021 School Year: (Most of these topics are embedded in the Diagnostic from the beginning of the year)*

Topic 1: Numbers & Algebra

- 1.1 Number Patterns and Sigma Notation
- 1.2 Arithmetic and Geometric Sequences
- 1.3 Arithmetic and Geometric Series
- 1.4 Applications of Arithmetic and Geometric Patterns
- 1.6 Proofs

Topic 2: Functions

- 2.1 What is a Function
- 2.2 Functional Notation
- 2.3 Drawing Graphs of Functions
- 2.4 The Domain and Range of a Function
- 2.5 Composite Functions
- 2.6 Inverse Functions
- 3.1 Gradient of a Linear Function
- 3.2 Linear Functions
- 3.3 Transformations of Functions
- 3.4 Graphing Quadratic Functions
- 3.5 Solving Quadratic Equations by Factorization
- 3.6 The Quadratic Formula
- 3.7 Applications of Quadratics

*From This School Year:*

- 9.1 Exponents (Notes 9.1a-9.1b)
- 9.2 Logarithms (Notes 9.2a-9.2d)

Topic 3: Geometry and Trigonometry

- 11.1 The Geometry of 3D Shapes (Notes 11.1a-11.1b)
- 11.2 Right-Angled Triangle Trigonometry (Notes 11.2a-11.2c)
- 11.3 The Sine Rule (Notes 11.3)
- 11.4 The Cosine Rule (Notes 11.4)
- 11.5 Applications of Right and Non-Right-Angled Trigonometry (Notes 11.5)
- 12.1 Radian Measure, Arcs, Sectors, and Segments (Notes 12.1)
- 12.2 Trigonometric Ratios in the Unit Circle (Notes 12.2a-12.2b)
- 12.3 Trigonometric Identities and Equations (Notes 12.3a-12.3b)
- 12.4 Trigonometric Functions (Notes 12.4a-12.4c)

**IB MATHEMATICS: APPLICATIONS & INTERPRETATION SL  
MIDTERM EXAM TOPICS 12<sup>th</sup> GRADE (6<sup>th</sup> FORM)  
GERALDINE ABINADER  
FIRST SEMESTER  
DECEMBER 2021**

Topic 3: Geometry and Trigonometry

- 1.1 Measurements and Estimates
- 1.2 Recording Measurements, Significant Digits, and Rounding
- 1.3 Measurements: Exact or Approximate?
- 1.4 Speaking Scientifically
- 1.5 Trigonometry of Right-Angled Triangles and Indirect Measurements
- 1.6 Angles Elevation and Depression
- 2.3 3D Geometry: Solids, Surface Area and Volume
- 4.1 Coordinates, Distance and the Midpoint Formula in 2D and 3D
- 4.2 Gradient of a Line and its Applications
- 4.3 Equations of Straight Lines: Different Forms of Equations
- 4.4 Parallel and Perpendicular Lines

***Resource: Topic 3 Practice Questions***

*From This School Year:*

Topic 4: Statistics

- 3.1 Collecting and Organizing Univariate Data
- 3.2 Sampling Techniques
- 3.3 Presentation of Data
- 3.4 Bivariate Data

***Resource: Chapter 3 Guideline and Topic 4 Chapter 3 Practice***

- 6.1 Measuring Correlation (Notes 6.1)
- 6.2 The Line of Best Fit (Notes 6.2a-6.2c)
- 6.3 Interpreting the Regression Line (Notes 6.3)
  
- 7.1 Theoretical and Experimental Probability (Notes 7.1a-7.1c)
- 7.2 Representing Combined Probabilities with Diagrams (Notes 7.2a-7.2b)
- 7.3 Representing Combined Probabilities with Diagrams and Formulae (Notes 7.3a-7.3b)
- 7.4 Complete, Concise, and Consistent Representations (Notes 7.4)
- 7.5 Modeling Random Behavior: Random Variables and Probability Distributions Notes 7.5a-7.5b)
- 7.6 Modeling the Number of Successes in a Fixed Number of Trials (Notes 7.6a-7.6b)
- 7.7 Modeling Measurements that are Distributed Randomly (Notes 7.7a-7.7b)

**IB HISTORY  
MIDTERM EXAM TOPICS 12<sup>th</sup> GRADE (6<sup>th</sup> FORM)  
MR. WATSON  
FIRST SEMESTER  
DECEMBER 2021**

There will be three sections. You must answer two questions, each from a different section. These will be essay-length.

- A) Causes of The First World War.
- Alliance System.
  - Developments in weapons technology; imperial, military and naval rivalry; war plans.
  - Industrialization and economic strength.
  - Diplomatic crises; Morocco and the Balkans.
- B) Course of the War.
- Western Front, new weapons, changes in strategy and tactics, Verdun and the Somme.
  - The war in other theatres; Eastern Front, Middle East and Gallipoli, war at sea.
  - Effects of the war.
- C) The Spanish Civil War.
- Causes of the conflict: social and ideological divisions, the Popular Front and Generals' uprising.
  - Strengths and weaknesses of the combatants, importance of foreign intervention on both sides.
  - Reasons for Republican defeat.
- D) The Second World War in Europe.
- Immediate causes of the conflict.
  - Relative strengths and weaknesses of the combatants – military, economic, etc.
  - Early German successes, importance of new technology.
  - Operation Barbarossa, Stalingrad and German defeat in the USSR.
  - Battle of the Atlantic.
  - The Mediterranean, North Africa and Italy.
  - Strategic bombing
  - Normandy and Allied Victory in the West.
  - Effects of the war in Europe.

**IB HISTORY  
MIDTERM EXAM TOPICS 12<sup>th</sup> GRADE (6<sup>th</sup> FORM)  
MR. MCGRATH  
FIRST SEMESTER  
DECEMBER 2021**

there will be two sections. You must answer two questions, each from a different section. These will be essay-length.

**A) Causes and Effects of 20th Century War**

- Causes of War
  - Economic, ideological, political, territorial and other causes
  - Short- and long-term causes
- Practices of War
  - Types of war: civil wars; wars between states; guerrilla wars
  - Technological developments; theatres of war—air, land and sea
  - The extent of the mobilization of human and economic resources
  - The influence and/or involvement of foreign powers
- Effects of War
  - The successes and failures of peacemaking
  - Territorial changes
  - Political repercussions
  - Economic, social and demographic impact; changes in the role and status of women

**B) The Mexican Revolution**

- Rule of Porfirio Diaz from 1884; political control; contribution to discontent
- Causes of the Mexican Revolution: social, economic and political
- The revolution and its leaders (1910–1917): ideologies, aims and methods of Madero, Villa, Zapata, Carranza; achievements and failures; the 1917 Constitution—nature and application
- Construction of the post-revolutionary state (1920–1940): Obregón, Calles and the Maximato; challenges; assessment of their impact in the post-revolutionary state
- Lázaro Cárdenas and the renewal of the revolution (1934–1940): aims, methods and achievements
- The role of foreign powers (especially the United States) in the outbreak and development of the Mexican Revolution; motivations, methods of intervention and contributions



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- Impact of the revolution on women, the arts, education and music

### IB History Key Concepts:

Change  
Continuity  
Causation  
Consequence  
Significance  
Perspectives

### IB History Command Terms:

**Analyze:** Break down in order to bring out the essential elements or structure.

**Compare:** Give an account of the similarities between two (or more) items or situations, referring to both (all) of them throughout.

**Contrast:** Give an account of the differences between two (or more) items or situations, referring to both (all) of them throughout.

**Compare and Contrast:** Give an account of similarities and differences between two (or more) items or situations, referring to both (all) of them throughout.

**Discuss:** Offer a considered and balanced review that includes a range of arguments, factors or hypotheses. Opinions or conclusions should be presented clearly and supported by appropriate evidence.

**Evaluate:** Make an appraisal by weighing up the strengths and limitations.

**Examine:** Consider an argument or concept in a way that uncovers the assumptions and interrelationships of the issue.

**To what extent:** Consider the merits or otherwise of an argument or concept. Opinions and conclusions should be presented clearly and supported with appropriate evidence and sound argument.



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For Top Marks:

Responses are clearly focused, showing a high degree of awareness of the demands and implications of the question. Responses are well structured and effectively organized.

Knowledge of the world history topic is accurate and relevant.

Events are placed in their historical context, and there is a clear understanding of historical concepts.

The examples that the student chooses to discuss are appropriate and relevant, and are used effectively to support the analysis/evaluation. The response makes effective links and/or comparisons (as appropriate to the question).

The response contains clear and coherent critical analysis. There is evaluation of different perspectives, and this evaluation is integrated effectively into the answer. All, or nearly all, of the main points are substantiated, and the response argues to a consistent conclusion.

**CIENCIAS III , BIOLOGIA  
MID TERM EXAM TOPICS 12<sup>th</sup> GRADE (6<sup>th</sup> FORM)  
PROF RHAYZA HURTADO  
FIRST SEMESTER  
DECEMBER 2021**

El examen final del cuatrimestre deberá ser respondido directamente en el mismo. Recuerde que será una recopilación de preguntas de Biología de diferentes exámenes, Cualquier duda que tenga sobre algún contenido de los tópicos y necesita de mi ayuda para responder, con mucho gusto estoy a la orden después de clase.

**Célula:**

1. Biología
- 2 celular
- 3 Membrana plasmática

**Genética:**

- 1-Mitosis
- 2-Meiosis
- 3-Cromosomas
- 4-Cariotipo y cariograma
- 5-Herencia



**IB BIOLOGY  
MIDTERM EXAM TOPICS 12<sup>th</sup> GRADE (6<sup>th</sup> FORM)  
MR. JERARD SPENCE  
FIRST SEMESTER  
DECEMBER 2021**

*Nervous System*

*The Neuron*

*Action Potential Diagram*

*Neurotransmitters and the Synapse*

*Cardiovascular System*

*Heart Chambers*

*Flow of Blood Through the Heart*

*Oxygenated vs Deoxygenated Blood*

*Artery vs Vein vs Capillary*

*Coronary Arteries*

*Blood Pressure*

*Reproductive System and Hormones*

*Male Reproductive System Diagram*

*Female Reproductive System Diagram*

*Hormones of the Menstrual Cycle*

*Fertilization (in vivo)*

*Fertilization (in vitro)*

*Fat Cells and Leptin*

*Respiratory System*

*Alveoli*

*Type I vs Type II Pneumocytes*

*Respiratory Tree*

*Movement of the Diaphragm*

*External vs Internal Intercostal Muscles*

*Digestive System*

*Pathway of Food through the Digestive Tract*

*Enzymes of the Digestive Tract*

*pH of the Digestive Tract*

*Longitudinal vs Circular Muscle*

*Bile and the Gallbladder*

*The Villus*



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Cell Biology/Molecular Biology

*Mitochondria vs Chloroplast*

*Properties of Water*

*Organic Molecules*

*Protein Structure*

*BMI*

*Diffusion*



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**IB PHYSICS  
MIDTERM EXAM TOPICS 12<sup>th</sup> GRADE (6<sup>th</sup> FORM)  
MR. FABRICIO M EVERTH  
FIRST SEMESTER  
DECEMBER 2021**

**Unit 5 Electricity and magnetism**

- Electric fields
- Coulomb's law
- Electric current
- Potential of difference
- Heating effects of electric current
- Electric cells
- Magnetic effects of electric current

**Unit 6 Circular motion and Gravitation**

- Uniform Circular Motion
- Centripetal Force
- Newton's universal law of gravitation
- Gravitational fields strength



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**IB BUSINESS MANAGEMENT  
MID TERM EXAM TOPICS 12<sup>th</sup> GRADE (6<sup>th</sup> FORM)  
MR. RAFAEL MEJIA  
FIRST SEMESTER  
DECEMBER 2021**

**Units 4.1 thru 5.4 (ONLY STANDARD LEVEL)**

**The Role of Marketing**

1. Marketing and its relationship with other business functions
2. Importance of Market Share and Market Leadership
3. Marketing approaches
4. Marketing objectives and strategies
5. Elements of a Marketing Planning
6. Market segmentation and consumer profile
7. Difference between niche market and mass market
8. Sales Forecasting and resource planning
9. Market research, and how organizations carry out market research
10. Different methods of primary research and importance.
11. The four P's of Marketing, Product/Price/Promotion and Place
12. Product life cycle
13. Boston Consulting Group Matrix-Product Portfolio Analysis
14. Importance of Branding
15. Marketing Mix, Importance
16. The features of e-commerce, costs, and benefits of e-commerce to firms and consumers.

**Production Methods**

1. The role of Operations Management and types of Production Methods commonly used and explain importance of each
2. Operations management and its relationship with other business functions
3. Concept of Quality Assurance/Importance for Businesses and Management
4. Location, analyze reasons for a specific location of production
5. Consequences of Location and Re-Location

## **I. Vocabulary**

**Students will be encouraged to have strong command of the following terms:**

1. Marketing
2. Market size
3. Market growth
4. Segmentation
5. Target Marketing
6. Market Orientation
7. Social marketing
8. Market share
9. Market leadership
10. Market segment
11. Qualitative and Quantitative Research
12. Product life cycle
13. Boston Consulting Group Matrix
14. Branding
15. Channel of distribution
16. Added value
17. Ecological, Social and Economic sustainability
18. Job production/batch production/Flow-Mass production/Process production/Cell or cellular manufacturing
19. Just In Time, Kaizen, Just in Time, Kanban
20. Benchmarking
21. Optimal Location
22. Offshoring and Outsourcing

## **II. Prescribed Reading**

Students are to read Units 4.1 thru 5.4, reviewing thoroughly answers to questions at the end of each unit. Additionally, review notes and presentations done during classes.

Additionally, students are encouraged to focus on case studies within each unit...(This is mainly intended for analytical thinking).



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**IGCSE MANDARIN  
MIDTERM EXAM TOPICS 12<sup>th</sup> GRADE (6<sup>rd</sup> FORM)  
MRS. ANITA TSAI  
FIRST SEMESTER  
DECEMBER 2021**

Here's the coverage for our Mid -Term exam.

1. 居住环境 ( 居住環境 ) Living environment
2. 救救地球 ( 救救地球 ) Saving the planet

**IB FRANÇAIS  
MIDTERM EXAM TOPICS 12<sup>th</sup> GRADE (6<sup>th</sup> FORM)  
MRS. CARMEN EL-KHOURY  
FIRST SEMESTER  
DECEMBER 2021**

- A- GRAMMAIRE :
- L'interrogation
- B- CONJUGAISON :
- Le present
  - Le future simple
  - Le futur proche
  - Le passé compose
  - Le passé recent
  - L'imparfait
  - Le plus- que parfait
  -
- C- VOCABULAIRE :
- La famille
  - L'environnement-
  - Les adjectifs pour décrire sa maison.
  - Les sports
  - Le collège
  - Les carnivals

**IB LENGUA ESPAÑOLA Y LITERATURA  
TÓPICOS EXAMEN DE 12<sup>vo</sup> GRADO (6<sup>th</sup> FORM)  
PROF. HAN MEI GAN  
PRIMER SEMESTRE  
DICIEMBRE 2021**

**A. El Boom Latinoamericano**

- Concepto
- Temáticas
- Características
- Obras y autores representativos

**B. Mario Vargas Llosa**

- Contexto social, político, económico y geográfico del autor.
- Aportes a la literatura de su época.
- Temáticas principales abordadas en sus obras
- Vinculación de sus obras con el Boom Latinoamericano

**A. Obra *La ciudad y los perros*:**

- Contexto social, político, económico y geográfico.
- Personajes
- Temáticas principales
- Simbología

**B. Análisis literario:**

- Temas
- Intención





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- Contexto
- Imágenes
- Persona narrativa
- Tono
- Recursos estilísticos
- Estilo
- Campo semántico
- Signos de puntuación

### **C. *Billy Elliot*, de Stephen Daldry**

- a) Temas
- b) Símbolos
- c) Lenguaje audiovisual

### **D. Áreas de exploración**

- a) Lector, escritor y texto cómo aplica a los textos leídos

### **E. Conceptos: en qué consisten, cómo se aplican a los textos vistos**

- a) Identidad
- b) Cultura
- c) Creatividad
- d) Transformación
- e) Perspectiva

### **F. Prueba 1 IB**

- a) Análisis de textos guiados.

**CIENCIAS SOCIALES  
TÓPICOS EXAMEN DE 12<sup>vo</sup> GRADO (6<sup>th</sup> FORM)  
PROF. PEDRO LALONDRIZ  
PRIMER SEMESTRE  
DICIEMBRE 2021**

**UNIDAD 1: La población dominicana.**

- El estudio de la población.
- Características de la población dominicana.
- La distribución de la población dominicana.
- Procesos migratorios.
- Las migraciones dominicanas.
- Dinámica poblacional de la República Dominicana en el mundo.
- Problemas rurales y urbanos del país.

**UNIDAD 2: La economía.**

- La economía y la geografía Económica.
- Los sectores económicos.
- El dinero y los sistemas financieros.
- La política económica.
- La globalización.
- Contrastes económicos.
- El comercio internacional.

**UNIDAD 3: Geografía económica de la República Dominicana.**

- El sector primario en la República Dominicana.
- El sector secundario en la República Dominicana.
- El sector terciario en la República Dominicana.
- El sector cuaternario en la República Dominicana.
- Estado y economía en la República Dominicana.
- República Dominicana en la economía global.

Problemas de nuestra economía.

#### **UNIDAD 4: El deterioro medioambiental.**

- Desarrollo sostenible.
- La contaminación atmosférica.
- La contaminación hídrica.
- La deforestación y la pérdida de la biodiversidad.
- La degradación del suelo y la desertificación.
- Desechos o residuos sólidos.
- Contaminación visual y acústica.
- El impacto ambiental.
- 

#### **UNIDAD 5: La dictadura de Trujillo**

- Repercusiones de la ocupación militar estadounidense.
- El gobierno de Horacio Vásquez.
- Inicios de la dictadura de Trujillo.
- Dominación política, económica y social.
- La dominación económica.
- Estado, burocracia e ideología de la dictadura.
- Trujillo y la política internacional.

#### **UNIDAD 6: Fin de la dictadura de Trujillo**

- La oposición a la dictadura.
- Las expediciones armadas.
- La expedición de 1959.
- Crisis de la dictadura.
- Crisis política y fin de la dictadura.
- El país tras la muerte de Trujillo.

#### **UNIDAD 7: Luchas democráticas**

- El país al final de la dictadura.
- Actores sociales y participación.
- El gobierno de Balaguer.
- Primer Consejo de Estado.
- Segundo Consejo de Estado.



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## UNIDAD 8: El gobierno de Juan Bosch

- Las elecciones de 1962.
- Triunfo electoral de Bosch.
- La Constitución de 1963.
- Principales medidas de Bosch.
- Sectores opuestos al Gobierno.
- La crisis del gobierno de Bosch.
- El golpe de Estado.
- La justificación de los golpistas.
- Primer Triunvirato.
- Segundo Triunvirato.