



JAMNABAI NARSEE SCHOOL-IBDP GRADE XII MOCK EXAMINATION SYLLABUS



GROUP 1

ENGLISH HL/SL

Paper 1: Commentary Writing

Students write a commentary on any one of the 2 Unseen extracts (1 passage and 1 Poem)

Paper 2: Genre Study (students are expected to study 3 texts depending on what has been dealt with in class by their teacher)

The glass Menagerie

A doll's House

Master Harold and the Boys

She stoops to conquer

Death of a Salesman

A Street Car Named Desire

Pygmalion

The Importance of Being Earnest

Miss Julie

GROUP 11

HINDI HL/SL

Paper I Comprehension

Marks 40 ,Time 1hr.30min.

Paper II Composition

Marks 30 ,Time 1hr.30min

Orals & C.C.

Marks 30

GROUP 111

BUSINESS STUDIES Higher Level /Standard Level

Topic 1: Business organization and environment

- 1.1 Nature of business activity
- 1.2 Types of organization
- 1.3 Organizational objectives
- 1.4 Stakeholders
- 1.5 External environment
- 1.6 Organizational planning tools
- 1.7 Growth and evolution
- 1.8 Change and the management of change (HL)
- 1.9 Globalization

Topic 2: Human resources

- 2.1 Human resource planning
- 2.2 Organizational structure
- 2.3 Communication
- 2.4 Leadership and management
- 2.5 Motivation
- 2.6 Organizational and corporate cultures (HL)
- 2.7 Employer and employee relations (HL)
- 2.8 Crisis management and contingency planning (HL)

Topic 3: Accounts and finance

- 3.1 Sources of finance
- 3.2 Investment appraisal
- 3.3 Working capital
- 3.4 Budgeting (HL)
- 3.5 Final accounts
- 3.6 Ratio analysis

Topic 4: Marketing

- 4.1 The role of marketing
- 4.2 Marketing planning
- 4.3 Product
- 4.4 Price
- 4.5 Promotion
- 4.6 Place (distribution)
- 4.7 International marketing
- 4.8 E-commerce

Topic 5: Operations management

- 5.1 Production methods
- 5.2 Costs and revenues
- 5.3 Break-even analysis
- 5.4 Quality assurance
- 5.5 Location
- 5.6 Innovation (HL)
- 5.7 *Production* planning
- 5.8 Project management (HL)

Topic 6: Business strategy (HL only)

- Stage 1: Strategic analysis
- Stage 2: Strategic choice
- Stage 3: Strategic implementation

Note: All topics listed above need to be covered with respect to learning outcome stated in the subject guide.

Paper 1: Based on *United World Peace Mission to Loyka* Case Study issued to the students

HISTORY Higher Level /Standard Level

Paper 1 : Peacemaking, peace keeping -international relations 1918-1936

Paper 2 : Topic 1: Causes, practices and effects of wars

Topic 5: The Cold War

These 2 papers are for the standard level students. The higher level students have paper 3 too

Paper 3 :HL option 5: Aspects of the history of Europe and The Middle East.

PSYCHOLOGY Higher Level /Standard Level

PAPER 1 - The Core:

Biological Level of Analysis

Cognitive Level of Analysis

Sociocultural Level of Analysis

PAPER 2 - Options:

Abnormal Psychology

Psychology of Human Relationships

PAPER 3 - Qualitative Research Methodology

Theory & Practice in Qualitative Research

Interviews

Observations

Case Studies

GROUP 10

PHYSICS:

PAPER I & II:

I. Higher Level (HL)

Topic 1: Physics and physical measurement

- 1.1 The realm of Physics
- 1.2 Measurement and uncertainties
- 1.3 Vectors and scalars

Topic 2: Mechanics

- 2.1 Kinematics
- 2.2 Forces and Dynamics
- 2.3 Work, Energy & Power
- 2.4 Uniform Circular Motion

Topic 3: Thermal Physics

- 3.1: Thermal Concepts
- 3.2: Thermal Properties of matter

Topic 4: Oscillations and waves

- 4.1 Kinematics of simple harmonic motion
- 4.2 Energy changes during simple harmonic motion (SHM)
- 4.3 Forced Oscillations and resonance
- 4.4 Wave characteristics
- 4.5 Wave properties

Topic 6: Fields and forces

- 6.1 Gravitational force and field
- 6.2 Electric Force and Field
- 6.3 Magnetic Force and Field

Topic 7: Atomic and Nuclear Physics

- 7.1 The atom
- 7.2 Radioactive Decay
- 7.3 Nuclear Reactions, Fission and Fusion

Topic 8: Energy, Power and Climate Change

- 8.1 Energy degradation and power generation
- 8.2 World energy sources
- 8.3 Fossil fuel power production
- 8.4 Non-fossil fuel power production
- 8.5 Greenhouse effect
- 8.6 Global warming

Topic 9: Motion in fields

- 9.1: Projectile Motion
- 9.2 Gravitational field, potential and energy
- 9.3 Electric Field, Potential and Energy
- 9.4 Orbital motion

Topic 10: Thermal physics

- 10.1 Thermodynamics
- 10.2 Processes
- 10.3 Second law of thermodynamics and entropy

Topic 11: Wave phenomena

- 11.1 Standing (stationary) waves
- 11.2 Doppler Effect
- 11.3 Diffraction
- 11.4 Resolution
- 11.5 Polarization

Topic 12: Electromagnetic Induction

- 12.1 Induced Electromotive force (EMF)
- 12.2 Alternating Current
- 12.3 Transmission of Electrical power

Topic 13: Quantum physics and Nuclear Physics

- 13.1 Quantum physics
- 13.2 Nuclear Physics

II. Standard Level (SL)**Topic 1: Physics and physical measurement**

- 2.1 The realm of Physics
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PAPER III:**Higher level (HL):****OPTION E: Astrophysics**

- E1: Introduction to the Universe
- E2: Stellar radiation and Stellar types
- E3: Stellar distances
- E4: Cosmology

OPTION H: Relativity

- H1 Introduction to Relativity
- H2 Concepts and Postulates of Relativity
- H3 Relativistic Kinematics
- H4 Some consequences of Special Relativity
- H5 Evidence to support special relativity

Standard level (SL):**OPTION A: Sight and Wave Phenomena**

- A1: The Eye and Sight
- A2: Standing (stationary) waves
- A3: Doppler Effect
- A4: Diffraction
- A5: Resolution
- A6: Polarization

OPTION E: Astrophysics

E1: Introduction to the Universe

E2: Stellar radiation and Stellar types

E3: Stellar distances

E4: Cosmology

E5: Stellar processes and Stellar Evolution

E6: Galaxies and Expanding Universe

ESS

Topic 1	Systems & Models		1.1.1 – 1.1.10
Topic 2	The Ecosystem	2.1	2.1.1-2.1.7
		2.2	2.2.1-2.2.2
		2.3	2.3.1-2.3.5
		2.4	2.4.1-2.4.2
		2.5	2.5.1-2.5.6
		2.6	2.6.1-2.6.7
		2.7	2.7.1-2.7.3
Topic 3	Human population, carrying capacity & resource use	3.1	3.1.1-3.1.4
		3.2	3.2.1-3.2.7
		3.3	3.3.1-3.3.3
		3.4	3.4.1-3.4.5
		3.5	3.5.1-3.5.4
		3.6	3.6.1-3.6.2
		3.7	3.7.1-3.7.2
3.8	3.8.1-3.8.5		
Topic 4	Conservation & biodiversity	4.1	4.1.1-4.1.5
		4.2	4.2.1-4.2.7
		4.3	4.3.1-4.3.5
Topic 5	Pollution management	5.1	5.1.1-5.1.3
		5.2	5.2.1-5.2.3
		5.3	5.3.1-5.3.3
		5.4	5.4.1-5.4.3
		5.5	5.5.1-5.5.2
		5.6	5.6.1-5.6.6
		5.7	5.7.1-5.7.3
5.8	5.8.1-5.8.4		
Topic 6	Issues of Global warming		6.1.1-6.1.7
Topic 7	Environmental value system		7.1.1-7.1.6

Subjects with complete syllabus are:

FRENCH Ab Initio & B SL(Group II)

Complete syllabus as per the subject guide.

ECONOMICS Higher Level /Standard Level (Group III)

Chap 1, 2, 3, 4 and 5.

CHEMISTRY Higher Level & Standard Level(Group IV)

Entire syllabus

MATHEMATICS Higher Level(Group V)

Complete MATH HL syllabus as per the subject guide.
For MATH HL paper 3, the optional topic is "Statistics and Probability".

MATHEMATICS Standard Level(Group V)

Complete MATH SL syllabus as per the subject guide

MATHEMATICS MS(Group V)

Complete MATH MS syllabus as per the subject guide