St. Xavier’s School, Doranda
Syllabus for (2014-15)

Class - IX

ENGLISH-2014-15

MID TERM

English Language Paper 1
1. Essay writing
2. Letter Writing
3. Comprehension (Precis)
4. Transformation of Sentences
5. Synthesis
6. Verbs (All Tenses)
7. Preposition and Phrasal Verbs

English Literature (paper 2)
Drama : As You Like It (William Shakespeare)
Act 1 Sc1,2 and 3
Act 2 Sc 1, 2, 3, 4and 5
Poetry (A Collection of Poems & Short Stories)
1. Where the mind in without fear
2. Psalm of Life
Prose (A Collection of Poems & Short Stories)
1. India’s Heroes
2. Journey by Night

English 3 – Elocution

1st UNIT TEST:
English 1 – Functional Grammar/ Phrasal Verb
English 2 – Merchant of Venice Act 1 Sc 1

2nd UNIT TEST – English – Pertaining to ICSE syllabus
English 2 – Indian’s Hero + A Psalm of Life

3rd UNIT TEST
English 1 – As per ICSE Syllabus
English 2 – Merchant of Venice Act 1 + My Lost Dollar.

First Terminal Examination – 15th SEPTEMBER
Entire Syllabus English 1 & English 2

FINAL TERM

English Language (Paper 1)
As per the ICSE Syllabus Covered in the First Term.

English Literature (paper 2)
Drama: The Merchant of Venice
Act 2, Sc 6, 7,8 and 9
Act 3 Sc 1, 2,3,4 and 5

Poetry: (A collection of Poems and short stories)
1. The Inchcape Rock
2. Bazaars of Hyderabad

Prose:
1. Kabuliwala
2. My Lost Dollar

2nd February - Final Examination
Drama: The Merchant of Venice (William Shakespeare)
Acts 1,2,&3

Poetry :
1. The Inchcape Rock
2. Bazaars of Hyderabad
3. Psalm of Life

Prose:
1. My Lost Dollar
2. Kabuliwala
3. Journey by Night

English 3 – Elocution

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PHYSICS-2014-15

Class IX

Mid Term Examination

1. Estimation and units.
2. Measurement of length, mass and time.
3. Motion in one dimension.
4. Laws of motion
5. Pressure in Fluids and atmospheric pressure.

1st Unit Test: (June- 2013)

1. Estimation and units
2. Measurement of length, mass and time.

2nd Unit Test (August -2013)

1. Motion in one dimension
2. Laws of motion

1st Terminal Examination (September- 2013)

Final Term

1. Up thrust in Fluids and Archimedes’ Principle.
2. Floating and relative density.
3. Force (Std. X)
4. Work, power and energy (Std. X)
5. Motion in one dimension

3rd Unit test: (December 2013)

1. Up thrust in fluids and Archimedes’ Principle
2. Floatation and relative density.

Break Up Syllabus of Physics:

April : 1) Estimation and units of length mass and time.
2) Measurement of length, mass and time.

May : 2) Measurement of length, mass and time (cont.)

June : 3) Motion in one dimension.

July : 4) Laws of Motion

August: 5) Pressure in fluids and atmospheric pressure.

September: 6) Up thrust in fluids and Archimedes’ Principle

October: 7) Floatation and Relative Density.

November: 8) Force (Std. X)

December: 9) Work, power & energy (Std. X)

January: 10) Work, power & energy and Revision.

Annual Examination : (February 2014)

CHEMISTRY 2014-15

Mid Term

April to 1st Week of May

Introduction to the modern periodic table & Historical background.

Modern Periodic law, the modern periodic table (group & periods)

Properties of modern period table.

15th June – 15the July

Gas laws – The behaviours of gases under change of temp. & press. Explanation in terms of molecular motion, Boyle’s law and Charles’ law, absolute zero, gas equation, simple calculations. Relationship between
Kelvin scale and celcius scale of temp., standard temp. & pressure.

15th July – 31st August

1. Water – Its physical & chemical properties; water pollution.

1st September – 14th September

Chemical bonding – Electrovalent & covalent bonding & formation of electrovalent & covalent compounds.

FINAL TERM:

7th October – 31st October

Properties of periodic Table
   a) Periodic properties & their variation in groups & periods.
   b) Periodicity on the basis of atomic number of elements.

1st November – 15th November

Hydrogen Chloride: Preparation & properties of Hydrogen Chloride, Simple experiments to show the physical prop. of HCl, Preparation of Hydrochloric acid.

16th November – 28th November

Ammonia – Preparation & properties of Ammonia Simple experiments to show the properties of Ammonia. Chemical & physical properties of Ammonia.

1st December – 31st January


1st Unit Test – Introduction to Modern P.T. & Historical background.

2nd Unit Test – Gas Laws

3rd Unit Test - Ammonia.

Mid Terminal Examination

1. Periodic table & historical background
2. Gas Laws
3. Water
4. Atmospheric Pollution
5. Chemical Bonding

Final Terminal Examination

1. Properties of periodic table
2. Chemical Bonding
3. Hydrogen Chloride & Hydrochloric Acid
4. Ammonia
5. Organic Chemistry
BIOLOGY

Mid Term Examination
1. Tissues + Cell
2. Nutrition in man
3. Digestive system
4. Skeletal system, movement & locomotion
5. Integumentary system
6. Waste generation & Management

Final Term Examination
Chapter 3,4,5
7. Respiratory system
8. Circulatory system
9. Excretory system
10. Nervous System

APRIL
1. Tissues
   1st Week – Plant Tissues
   2nd Week – Animal Tissues
   - Epithelial Tissues
   3rd Week – Connective tissue
   - Muscle tissues
   4th Week – Nervous tissues
   - Test

MAY
2. Nutrition in MAN
   1st Week:
   - Need for nutrition
   - Classes of nutrients
   - Carbohydrates
   - Fats
   - Proteins

JUNE
2nd Week: Minerals & vitamins
   - balanced Diet
3rd Week 3. Digestive system
   - Alimentary canal – Digestion of food
   - Structure of Tooth & Dentition
4th Week – Salivary Glands
   - oesophagus, stomach, small & large intestine.

JULY
1st Week: Assimilation of Food
   - Food test + test
2nd Week 4. Movement and Locomotion
   - Skeletal system
3rd Week:
   - Human Skeleton
   - Axial
4th Week – Appendicular
   - Joins – Types

AUGUST
1st Week:
   - Muscles
   - Antagonistic Muscles
2nd Week, 5 – Integumentary System
   - Functions of skin.
   - Structure of skin
3rd Week – Derivatives of skin – hair, nails, sweat glands, sebaceous gland, etc.
4th Week –
   - Heat regulation, Temperature regulation
   - Test

SEPTEMBER
1st Week 6. Respiratory System:
   - Need for respiration
   - Types of respiration
2nd Week – Parts of respiration
3rd Week – Respiratory organs – Breathing
4th Week – Respiratory cycle – Inspiration, expiration.
   - Capacity of the lungs
   - Some more facts

OCTOBER
2nd Week 7. Circulatory System:
   - Fluids in our body
   - The blood – functions, composition
3rd Week – Coagulation
   - Blood transfusion & blood groups.
   - The heart
4th Week – Blood vessels
- Bloods circulation
- Heart beat

NOVEMBER
1st Week - Double Circulation
- hepatic Portal system
- Pulse, tissue fluid & Lymph
- Test.
2nd Week: 8. Excretory System:
- Excretory products
- Excretory organs
- Internal structure of Kidney
3rd Week: - Structural organization of tubule
- Formation of urine
4th Week: - Constituents of urine
- Urine regulation
- Osmoregulation

DECEMBER
1st Week- Waste Generation and management:
- What is waste
- Categories
- Disposal of waste
- Test

JANUARY
Revision and Test.

HISTORY & CIVICS -2014-15

APRIL - MAY
Section A: Civics
1. The Union Legislature: The Rajya Sabha and Lok Sabha
   a) Definition of Parliament

b) The Lok Sabha-Term, Composition, qualification of members disqualification of membership.
c) Parliamentary procedures, session, quorum, question hour, motions-adjournment and no confidence motion.
d) Speaker – selection, role and function.
e) The Rajya Sabha – Term, composition, qualification and disqualification of membership, parliamentary procedures presiding officer.
f) Power and functions of both the houses-legislative financial, judicial, elective and constitutional.
g) Relationship and differences between the two houses Anti Defection Law.

1st UNIT TEST
II. Section B : History
APRIL - MAY
the First War of Independence: 1857
   a) Causes – Political, social, religious economic and military.
   b) Consequences – Constitutional and administrative changes, Queen’s proclamation, end of Peshwa and Mughal rule, Changes in Arya, introduction of Budget system, policy of divide and rule, increased economic exploitation, British apathy towards social reform. Rise of nationalism.
**JUNE - JULY**

III. Rise of Indian national and Foundation of Indian National congress:

a) factors promoting growth of nationalism, socio-religious reform movement, revivalism among the Muslims, pride in India’s past glory, spread of western education, Indian art and literature role of press, modern means of transport to communication, economic exploitation of India, repressive policy of Lord Lytton, rise of middle class, Ilbert bill controversy.

b) Indian National congress – Origin, role of A.O. Hume and the immediate objectives.

**JULY**

IV. The First World War:

a) Causes: (long term and immediate)

b) Results of the World War I leading to the formation of League of Nations.

c) Objectives of League of Nations.

d) Terms of Iveyat of Versailles

**II. UNIT TEST**

**PORTION:**

**MID TERM EXAM**

1. The Union Legislature. Lok Sabha & Rajya Sabha (I Unit Test)
2. The First World war – (II Unit Test)
3. First War of Independence
4. Rise of Indian nationalism and formation of Indian national congress.
5. The Moderate Phase.

**AUGUST**

V. Programme and Achievements of the Early nationalists. (moderates)

a) Who were moderates? Objective and programmes of the moderates, method and achievements of moderates.


**Section C:** the Contemporary world History

**FINAL TERM**

**SECTION A: CIVICS**

**SEPTEMBER - OCTOBER**

VI. Supreme Court- Composition and Functions

a) Composition, qualification of judges, independence of judiciary from the control of executive and legislature.

b) Power of the supreme court: original and appellate jurisdiction.

c) Functions-settlement of disputes (original and on appeal), enforcement of fundamental rights, advisory, revisory judicial renew and court of record.

**SECTION B: INDIAN HISTORY**

**OCTOBER - NOVEMBER**

VII. Rise of Assertive nationalism (1905-1919)

a) Causes of rise of assertive nationalism, programmes and achievement.

b) Contribution of Bal Gangadhar Tilak, Bipin Chandra and Lala Lajpat Rai
especially with regard to freedom struggle)

NOVEMBER - DECEMBER

VIII. partition Of Bangal and Its Impact

a) Causes of partition of Bengal and its impact.
b) The Swadeshi and the Boycott movement.

SECTION C: Contemporary History

DECEMBER

IX. Rise of Dictatorship

a) Rise of Fascism and Nazism and the second world war reasons.
b) Similarity of aim between fascism and Nazism.
c) Hitler’s foreign policy and anti-Jew policy.
d) Causes of World War II – immediate and long term.
e) Bombing of Hiroshima
f) Consequences of world war II
g) Cold War – Causes, consequences and the end of cold war.

JANUARY

X. The second world war.

a) Causes of world war II – (immediate and long term)
b) Bombing of Hiroshima
c) Consequences of world war II
d) Cold war – causes, consequences of the end.

SEPTEMBER

XI. United Nations

a) Origin, purpose and objectives.

GEOGRAPHY – 2014 - 15

APRIL:

1. Structure of the earth
   a) Core, Mantle, Crust with geographical names.
   b) Composition
   c) forces originating in the interior.
   d) Movements caused.

2. Land Forms:
   a) Mountains – fold, block, residual, volcanic. (formation of each with examples and related terms.)
   b) Plateaus – inter-montane, Tectonic, dissected, structural piedmont and lava (formation of each with examples and related terms.)
   c) Plains-alluvial, deltaic, coastal, flood (formation of each with examples and related term) Aeolian, Lava, peneplain, pediplain.

MAY- JUNE

1st UNIT TEST – 1 and 2 with Map

1. Location of Main water bodies,
2. Rocks:
   a) Difference between minerals and ores.
   b) Division of rocks with characteristics and explanations

3. Volcanoes:
   a) Distribution (Circum Pacific & Mid world)
   b) Intrusive and Extrusive features.
   c) Hot spring & geysers.

4. Earthquakes:
   causes, effects, related terms, tsunamis.

   Location, main latitudes & longitudes, water bodies and main island groups.

   **AUGUST:**
   **2nd UNIT TEST** As Much as is covered in topics 3,4,5

6. Relief Map I- Mountains & Plateaus.
7. Relief Map II – Rivers and plains.

8. Weathering
   a) Mechanical – disintegration, exfoliation.
   b) Chemical (i) decomposition, oxidation.
      (ii) Carbonation – Karst features in detail.
   c) River Erosion – i) upper course – V shaped valleys, (gorges) waterfalls, rapids.
      ii) Middle course –river cliff- slip off slope, meanders, alluvial & flood plains, levees.

   iii) Lower course- meanders, oxbow lakes delta – conditions for a good delta.

   **SEPTEMBER:**
   **MID TERM EXAMINATION.**
   Relief Map 1,2, and topics 2,4,6 and 9
   d) Wind erosion – type of erosion- oasis.
   i) rock pedestal, Yardangs, Zeugens
   ii) barkhans, seifs.

   **NOVEMBER:**
      a) Movement of ocean waterwaves, tides, ocean currents (only definitions)
      b) Effect of ocean current on climate.
   10. Map work – ocean currents

   **3RD UNIT TEST on Topic 10,11,12**
   12. a) Natural Regions – Through Block Diagram.
      b) Tabular from –with explanation in detail.
   14. Pollution – type, sources, effects and abatement.

   **FINAL EXAMINATION – Topics**
   1,3,5,9,10,12,13,14,16 and all maps.

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**MATHEMATICS-2014-15**

**MID TERM**
1. Indices  
2. Framing of formula  
3. Logarithm  
4. Problems based on simultaneous Equation  
5. Polygon  
6. Trigonometry  
7. Theorems on Quadrilaterals.  
8. Midpoint and Intercept theorem.  
9. Statistics (class IX)

**1st Unit Test (June 2013)**
1. Indices  
2. Framing of formulae  
3. Logarithm

**2nd Unit Test: (August - 2013)**
1. Problems based on simultaneous Equation.  
2. Polygon  
3. Trigonometry.

**FINAL TERM**
1. Similarity of Triangles and size transformation.  
2. Cube and cuboid  
3. Cross-section  
4. Circle (Std. X book)  
5. Cylinder.  
6. Quadratic Equation (Std. X)  
7. Mean (Std. X)  
8. Construction of quadrilateral 
9. Compound Interest without using formula (Std. X)  
10. Indices  
11. Logarithm  
12. Framing of formula  
13. Trigonometry.

**3rd UNIT Test (December 2013)**
1. Similarity of triangle and size transformation  
2. Cube and cuboid  
3. Cross-section  

**MONTH WISE**

**Break Up of Syllabus:**

<table>
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<th>Month</th>
<th>1st Topic</th>
<th>2nd Topic</th>
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<tr>
<td>April</td>
<td>1. Indices</td>
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<td>May</td>
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<td>June</td>
<td>Continuation of Logarithm</td>
<td>4. Problems based on simultaneous Equation</td>
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<td>July</td>
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<td>7. Quadrilaterals</td>
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<td>SEPTEMBER</td>
<td>8. Mid-Point and Interest Theorem</td>
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**HINDI 2014-15**

**Mid Term**

Section A (40 Marks)

भाषा – सरस हिन्दी व्याकरण :- (तोनों परीक्षाओं के लिए विमानित पाठ)

(1) प्रस्तावना लेखन
(2) फ्रेंड
(3) भाव ग्रहण
(4) व्यवहारिक व्याकरण

साहित्य – Section B (40 Marks)

गद्द संकलन— (क) परीक्षा (2) ताई (3) उसकी माँ
(4) अकेली (5) चप्पल

कायदा चिठ्ठिका— (1) अरुण यह (2) हिमालय (3) स्वदेश प्रेम (4) कर्मवीर (5) नवीन कल्पना करो।

**Final Examination**

Section A

भाषा – सरस हिन्दी व्याकरण

Section B साहित्य – प्रथम सत्र के गद्द संकलन के अध्याय 1–5 के साथ— (1) चिंफ कह दावत
(2) ममता (3) भोलासम की जीव (4) खेल (5) मिठाईवाला