

CLASS - VIII

ENGLISH - I [LANGUAGE]

FIRST TERM

1. Gem's English Reader (Course Book - 8)

Ratna Sagar

Grammar study of the lessons and poems taught is included in English Paper - I. [Language] in both the terms.

2. Collins English Grammar and Composition-8.

Grammar :

Chapter :

- i) Nouns
- ii) Pronouns
- iii) Adjectives
- iv) Determiners
- v) Articles
- vii) Agreement of Subject and Verb
- viii) Non-finite verbs
- ix) Modals
- x) The Present Tense
- xi) The Past Tense
- xii) The Future Tense
- xvi) Direct and Indirect speech
- xx) Sentences
- xv) Punctuation

Letters : a) Formal b) Informal

Essays : a) Descriptive and Narrative Essays.
b) Argumentative Essays
c) Imaginative Essays

Comprehension : Unseen Passage.

SECOND TERM

Grammar :

Chapter :

- vi) Verbs
- xiii) Adverbs
- xiv) Prepositions
- xv) Conjunctions
- xvii) Active and Passive Voice
- xviii) Phrases and Clauses
- xix) Relative Clauses
- xxi) Conditional Sentences
- xxii) Transformation of Sentences
- xxiii) Synthesis of Sentences
- xxv) Grammar on the Go

Letters : a) Formal b) Informal

Essays : a) Descriptive and Narrative Essays.
b) Argumentative Essays
c) Imaginative Essays

Comprehension : Unseen Passage.

ENGLISH - II

Gem's English Reader (Course Book - 8) (Ratna Sagar)

FIRST TERM

Lessons

1. The Adventure of the Blue Carbuncle
2. Ranji's Wonderful Bat

3. Set Our Children Free
4. India's Heroes

Poems

1. The Lake Isle of Innisfree
2. I Remember, I Remember
3. Break, Break, Break
4. If

SECOND TERM

Lessons

1. The First Pup
2. Harry Potter Learns Quid ditch
3. Macbeth
4. Lata Mangeshkar in her own voice

Poems

1. How pleasant to know Mr. Lear
2. Lines written in Early Spring
3. A Grain of Sand
4. Milk for the Cat

Assessment - I :

Grammar study of the lessons and poems.

- a) The Adventure of the Blue Carbuncle (Prose)
- b) The Lake Isle of Innisfree (Poem)
- c) Ranji's Wonderful Bat (Prose)

Midterm Test - I :

- a) Set Our Children Free (Prose)
- b) Adjectives

- c) Direct and Indirect speech
- d) Letter writing
- e) Grammar study of the lessons and poems.

Note : Assessment I syllabus included in Midterm Test I.

Midterm Test - II :

- a) The First Pup (Prose)
- b) How pleasant to know Mr. Lear (Poem)
- c) Conjunctions
- d) Active and Passive voice
- e) Grammar study of the lessons and poems.
- f) Lines written in Early Spring (Poem)

Assessment - II :

- a) Harry Potter Learns Quid ditch (Prose)
- b) A Grain of Sand (Poem)
- c) Macbeth (Prose)

HINDI - I

प्रथम सत्र

पुस्तक : कथा कलश भाग - 8

1. भिखारिन
2. अहिंसा की विजय
3. अकबर और बीरबल
4. कोटर और कुटीर

5. बालक चन्द्रगुप्त

नोट : उपर्युक्त पाठों का सारांश एवं प्रश्नोत्तर।

निबन्ध :

1. विद्यार्थी जीवन और अनुशासन
2. परोपकार का महत्व
3. इंटरनेट का महत्व
4. मुंशी प्रेमचन्द

व्याकरण : 'हिन्दी व्याकरण एवं रचना' भाग - 8

1. भाषा एवं व्याकरण
2. क्रिया और काल (भेदों के भेद) परिभाषा सहित
3. विराम-चिह्न
4. पर्यायवाची
5. अशुद्धि-शोधन (स्वर सम्बन्धी से कारक सम्बन्धी अशुद्धियाँ)
6. विलोम शब्द
7. एकार्थी शब्द
8. मुहावरे (1 से 49 तक)
9. विज्ञापन-लेखन
10. तत्सम-तद्भव (1 से 30 तक)
11. अपठित गद्यांश

पत्र लेखन :

औपचारिक -

अनौपचारिक -

Assessment - I :

- 1) भाषा एवं व्याकरण
- 2) पर्यायवाची

Midterm Test - I :

- 1) भिखारिन
- 2) अहिंसा का विजय

नोट : प्रथम मूल्यांकन का पाठ्यक्रम मध्य सत्र-1 में सम्मिलित किया जायेगा।

द्वितीय सत्र

पुस्तक : कथा कलश - 8

1. पतंगबाज़ी का आयोजन
2. ईश्वर अच्छा ही करता है
3. बुराई और भलाई
4. एक घड़ा बुद्धि
5. शहीद बकरी

नोट : उपर्युक्त पाठों का सारांश एवं प्रश्नोत्तर।

निबन्ध :

1. राष्ट्रीय एकता
2. स्वच्छ भारत
3. कोलकाता की संत मदर टेरेसा
4. व्यायाम के लाभ

व्याकरण :

1. अव्यय :
 - क) सम्बन्धबोधक
 - ख) समुच्चय बोधक
 - ग) विस्मयादि बोधक
 - घ) क्रिया विशेषण
 - ङ) निपात
2. वाक्य विचार
3. उपसर्ग एवं प्रत्यय
4. अनेक शब्दों के लिए एक शब्द
5. लोकोक्ति (1 से 40 तक)
6. श्रुतिसम भिन्नार्थक शब्द
7. प्रतिवेदन-लेखन
8. अपठित गद्यांश

पत्र लेखन :

- औपचारिक -
अनौपचारिक -

Midterm Test - II :

- 1) अव्यय
- 2) वाक्य विचार
- 3) पतंगबाज़ी का आयोजन

Assessment - II :

- 1) पत्र-लेखन
- 2) प्रतिवेदन-लेखन

HINDI - II

नूतन गुंजन हिन्दी पाठमाला - 8

प्रथम सत्र

1. इतने ऊँचे उठो (कविता)
2. खुले आकाश में
3. लाख की चूड़ियाँ
4. जीवन का लक्ष्य
5. रंग जाती एक ऋतु (कविता)
6. पंचतत्वों की कहानी
7. रथचक्र
8. मानवता ही विश्व सत्य (कविता)
9. एक कुत्ता और एक मैना

उपर्युक्त पाठों के अन्त में दिये गये शब्दार्थ, प्रश्नोत्तर एवं व्याकरण सम्बन्धी अभ्यास कराये जायेंगे।

Assessment - I :

- 1) इतने ऊँचे उठो
- 2) खुले आकाश में

Midterm Test - I :

- 1) लाख की चूड़ियाँ
- 2) पंचतत्वों की कहानी

नोट : प्रथम मूल्यांकन का पाठ्यक्रम मध्य सत्र - I में सम्मिलित किया जाएगा।

द्वितीय सत्र

1. मेरा नया बचपन (कविता)
2. धरती का सुरक्षा कवच
3. अनोखा बदला
4. आठ अभिमन्यु
5. कपि करि हृदयँ विचार (कविता) दोहा / चौपाई
6. परदेश में बसा भारत
7. रोटियाँ
8. ज़ायके का सफर

उपर्युक्त पाठों के अन्त में दिये गये शब्दार्थ, प्रश्नोत्तर एवं व्याकरण सम्बन्धी अभ्यास कराये जायेंगे।

Midterm Test - II :

- 1) धरती का सुरक्षा कवच
- 2) मेरा नया बचपन

Assessment - II :

- 1) अनोखा बदला
- 2) परदेश में बसा भारत

SANSKRIT

Book : Sanskrit Sudha - III (Amrita Prakashan)

Work Book : Sanskrit Sudha Abhyas Pustika - III

FIRST TERM (प्रथम सत्र)

पाठ : 2. वृक्षारोपणस्य महत्त्वम्

3. अकालभाषी विनश्यति
5. किं कर्तव्यं, किं न कर्तव्यम्
9. संस्कृत गौरवम्
13. लोकोक्तयः (1-5)
15. नीति-श्लोकाः - (1, 2)

Declensions : (शब्दरूपाणि)

Masculine : मुनि, पितृ

Feminine : मातृ

Neuter : पुस्तक

Pronouns : इदम् in Masculine, Feminine and Neuter

Conjugations : (धातुरूपाणि)

Potential Mood : अस्, कृ, भू, गम्, पठ्, पा, लिख्।

Assessment - I :

1. वृक्षारोपणस्य महत्त्वम्
2. Declensions- मुनि, मातृ, पुस्तक

Midterm Test - I :

1. अकालभाषी विनश्यति
2. किं कर्तव्यं, किं न कर्तव्यम्
3. Conjugation अस्, भू, पठ्

Note : Assessment I syllabus included in Midterm Test I.

SECOND TERM (द्वितीय सत्र)

- पाठ : 10. बुद्धिर्यस्य बलं तस्य
12. अस्माकं उत्सवाः
13. लोकोक्तयः (6-10)
14. राष्ट्र चिह्नानि
18. नीति-श्लोकाः 3, 4, 5
15. पितृभक्तो नचिकेताः

Declensions : (शब्दरूपाणि)

- Masculine : राजन्, आत्मन्, भानुः
Feminine : गंगा, मति
Pronouns : अस्मद्, युष्मद्

Conjugations : (धातुरूपाणि)

- Future Tense : पठ्, भू, दृश्, कृ, खाद्, गम्, अस्
स्वर संधि : 1. दीर्घ, 2. गुण, 3. वृद्धि, 4. यण्

Midterm Test - II :

1. बुद्धिर्यस्य बलं तस्य 2. अस्माकम् उत्सवाः
3. नीति श्लोकाः (3, 4, 5)

Assessment - II :

1. लोकोक्तयः 2. राष्ट्र चिह्नानि
3. Conjugations : अस्, गम्
4. Declensions- राजन्, आत्मन्

MATHEMATICS

Book : Mathematics Today by O.P. Malhotra

FIRST TERM

Number System :

1. Rational Numbers
2. Exponents
3. Playing with Numbers

Ratio & Proportion :

4. Percentage
5. Profit, Loss and Discount

Algebra :

6. Fundamental Concepts and Operations
7. Algebraic Identities (Some Special Products)
8. Factorisation

Mensuration :

9. Areas of Rectilinear Figures

Geometry :

10. Quadrilaterals
11. Special Types of Quadrilaterals
12. Construction of Quadrilaterals

Data Handling :

13. Data Handling
14. Graphical Representation of Data

Assessment - I :

1. Rational Numbers
2. Exponents
3. Percentage

Midterm Test - I :

1. Fundamental Concepts and Operations
2. Algebraic Identities
3. Factorisation

Note : Assessment I syllabus included in Midterm Test I.

SECOND TERM

Number System :

1. Squares and Square roots
2. Cube and Cube roots
3. Sets

Ratio & Proportion :

4. Simple Interest and Compound Interest
5. Direct and Indirect Variation
6. Time and Work

Algebra :

7. Linear Equations
8. Linear Inequations

Mensuration :

9. Circumference and Area of Circle
10. Volume and Surface Area of Solids

Geometry :

11. Representing 3-D Shapes in 2-D
12. Linear Symmetry, Reflection and Rotation
13. Linear Graph
14. Circle

Data Handling :

15. Probability

Midterm Test - II :

- a) Square and Square Roots
- b) Linear Equations
- c) Circumference and Area of Circle
- d) Cube and Cube roots
- e) Time and Work

Assessment - II :

- a) Sets
- b) Simple Interest and Compound Interest
- c) Circle
- d) Direct and Indirect Variation

PHYSICS

Book : **Physics All the way** (Sapphire Publishers Pvt. Ltd.)

FIRST TERM

1. **Matter :**

Matter, Characteristics of molecules, states of matters, Molecular model of solid, liquid and gas, change of state, Melting, Freezing, Melting by Molecular model, Vaporisation, Evaporation, Evaporation by molecular model, Sublimation, Sublimation by the molecular model, Deposition.

2. **Physical Quantities and Measurement :**

Density, Determination of density of regular and irregular solid using measuring cylinder and Eureka Can, Density Bottle, Determination of density of a liquid, Measurement of relative density of liquid, Density of a substance in its different states, Floating and sinking, Law of Floatation and Application of Floatation, Numericals.

3. **Force and Pressure :**

Force and its unit, Turning effect of a force, Moment of force, Pressure, Factor affecting Pressure, Examples of Pressure, Liquid Pressure, Factor affecting liquid Pressure, Consequences of Liquid Pressure, Atmospheric Pressure and examples, Numericals.

4. **More about Energy :**

Work, Definition and units of work, Energy, Mechanical energy, Expression for the gravitational potential energy, Expression for kinetic energy, Conversion of Potential Energy to kinetic energy, Different forms of energy, Power Difference between Power and energy numericals.

5. **Light**

Refraction of light, Definition and example Laws of

Refraction, Refraction through a glass slab, Dispersion of White light, spherical mirrors, Rule for making ray diagrams in spherical mirrors, Real and Virtual image, Images formed by a concave and convex mirror, Uses of concave and convex mirror.

Assessment - I :

1. Matter

Midterm Test - I :

2. Physical quantities and measurement
3. Force and Pressure

Note : Assessment I syllabus included in Midterm Test I.

SECOND TERM

6. **Heat :**

Effects of Heat, Effects of temperature on molecular motion, Evaporation, Boiling Difference between Evaporation and boiling, Thermal Expansion, Linear expansion, Superficial expansion and cubical expansion, Thermal expansion in solid, Liquids and gases with applications.

7. **Sound :**

Propagation of sound in air, Term related to a wave, Characteristics of sound – Loudness, Pitch, ways of changing pitch in different musical instruments, Monotone.

8. **Static Electricity :**

Kinds of electric charges, Conservation of charge, Methods of charging a conductor – conduction and induction Gold leaf electroscope, Atmospheric electricity lightning conductor.

9. **Magnetism and Electricity :**

Supply of Power to a house, Commercial units of electrical energy, Electric fuse, Miniature circuit breaker, Household electric circuit, Electric circuit in a Room, Household consumption of electrical energy. Hazards and precautions of Electricity, Numericals.

Midterm Test - II : 6. Heat

7. Sound

Assessment - II : 8. Static Electricity

CHEMISTRY

*Book : Candid New Trends in Chemistry - VIII by Mrs. Baljinder Kaur
Evergreen Publications (India) Ltd.*

FIRST TERM

1. **MATTER AND ITS COMPOSITION :**

Characteristics of matter, states of matter, Kinetic theory of matter, characteristics of three different states of matter, compressibility of a gas, kinetic molecular theory, conversion of a solid into gaseous state and vice-versa, Law of conservation of mass.

2. **PHYSICAL AND CHEMICAL CHANGES :**

Physical and Chemical properties, Physical and chemical changes and their examples and differences.
Exclude chemical reaction and conditions for a chemical change.

3. **ELEMENTS, COMPOUNDS AND MIXTURES :**

Classification of matter, Homogeneous materials, Pure

substances, Elements, compounds, mixtures and their characteristics and differences, separation of components of a mixtures.

4. **ATOMIC STRUCTURE :**

Dalton's atomic theory, Modern atomic concept, sub atomic particles – electron, proton and neutron and their characteristics, the Plum Pudding model, Rutherford's Gold Foil experiment, Atomic number, mass number, Isotopes, Isobars, Isotones, Rutherford's model, Neil Bohr's model, Arrangement of electrons in atoms, Electronic configuration, valency.

Exclude chemical bonds and their differences.

5. **LANGUAGE OF CHEMISTRY :**

Symbol of an element, valency, variable valency, Radicals, chemical formula, chemical equation, Balancing of chemical equations, Drawbacks of chemicals equation and its removal.

Assessment - I :

1. Matter and its Composition

2. Physical and Chemical Changes

Midterm Test - I :

1. Elements, Compounds and Mixtures

Note : Assessment I syllabus included in Midterm Test I.

SECOND TERM

6. **CHEMICAL REACTIONS :**

Combination reaction, Decomposition reaction, Displacement reaction, Double decomposition, Neutralization reaction, Exothermic and Endothermic reaction.

7. **HYDROGEN :**

Occurrence, General preparation, Laboratory and Industrial preparation of Hydrogen, Physical and Chemical properties of hydrogen. Test for hydrogen, uses of hydrogen.

8. **WATER :**

Water of crystallisation, Efflorescence, deliquescence, hygroscopic substances, Physical and Chemical properties of Water, Hard and Soft water.

Exclude - Water cycle, Importance of water, potable water, purification of drinking water, uses of water, chemical analysis of water, composition of water by volume and mass, test for gases, formation of water, Lab preparation of water and test for water.

9. **CARBON AND ITS COMPOUNDS :**

Isotopes, Allotropy, crystalline form– Diamond, Graphite and Fullerene– their structure, properties and uses. Amorphous Carbon – Characoal, Lampblack, Coke, Reducing property of carbon, Let me explain.

10. **OXIDES OF CARBON :**

Occurrence, Lab preparation of carbon di oxide, physical and chemical properties of carbon di oxide, test for carbon di oxide and its uses, Fuel and its combustion, Carbon mono oxide and its nature and harmful effects.

Exclude – General preparation of Carbon di oxide, Radiations from sun, Green house effect, global warming.

Midterm Test - II : 1. Chemical Reactions
2. Hydrogen

Assessment - II : 1. Water
2. Carbon and its compounds

BIOLOGY

Book : **Srijan ICSE Biology for Class - VIII**

By : *Veer Bala Rastogi*

FIRST TERM

1. Transport of Food & Mineral in Plants
2. Reproduction in Plants
3. Reproduction in Animals
(excluding male and female reproductive system)
4. Ecosystem
5. Endocrine System
6. Circulatory System

Assessment - I :

1. Transport of Food & Minerals in Plants
2. Reproduction in Plants

Midterm Test - I :

1. Transport of Food & Minerals in Plants
2. Reproduction in Plants
3. Reproduction in Animals

Note : Assessment I syllabus included in Midterm Test I.

SECOND TERM

1. Nervous System
2. Health and Hygiene
3. Food Production

Midterm Test - II :

1. Nervous System
2. Health and Hygiene

Assessment - II :

1. Nervous System
2. Health and Hygiene
3. Food Production

HISTORY AND CIVICS

Book : Cambridge Connection History and Civics - 8
(Cambridge University Press)

FIRST TERM

HISTORY :

1. The Modern World (Ch. 1)
2. Industrial Revolution and Imperialism (Ch. 2)
3. The American War of Independence (Ch. 3)
4. The French Revolution (Ch. 4)
5. The American Civil War (Ch. 5)
6. Decline of the Mughal Empire (Ch. 6)
7. Rise of Regional Kingdoms (Ch. 7)

CIVICS :

1. The Union Legislature (Ch. 16)
2. The Union Executive (Ch. 17)
3. The Judiciary (Ch. 18)

Assessment - I :

1. The Modern World (Ch. 1)

Midterm Test - I :

1. Industrial Revolution and Imperialism (Ch. 2)
2. The American War of Independence (Ch. 3)
3. The French Revolution (Ch. 4)

Note : Assessment I syllabus included in Midterm Test I.

SECOND TERM

HISTORY :

1. Beginning of British Rule in Bengal (Ch. 8)
2. Expansion of British Power in India (Ch. 9)
3. British Policies and their Impact (Ch. 10)
4. The Revolt of 1857 (Ch. 11)
5. Social and Religious Reforms (Ch. 12)
6. Rise of Indian Nationalism (Ch. 13)
7. The Indian National Movement (1885-1916) (Ch. 14)
8. The Indian National Movement (1917-1947) (Ch. 15)

CIVICS :

1. The United Nations (Ch. 19)
2. Agencies of the United Nations (Ch. 20)

Midterm Test - II :

1. Beginning of British Rule in Bengal (Ch. 8)
2. Expansion of British Power in India (Ch. 9)
3. British Policies and their Impact (Ch. 10)

Assessment - II :

1. The Revolt of 1857 (Ch. 11)
2. Social and Religious Reforms (Ch. 12)
3. The United Nations (Ch. 19)

GEOGRAPHY

Book : Voyage - VIII Oxford University Press

FIRST TERM

Chapters

2. Population (Pg. 26)
3. Migration (Pg. 40)
4. Urbanization (Pg. 52)
7. Asia : Location, Extent, Political & Physical Features (Pg. 92)
8. Asia : Climate & Natural Vegetation (Pg. 105)

MAP WORK : ASIA

- Ocean** : Arctic, Pacific, Indian
- Sea** : Red, South China, Java, Yellow, Japan, Okhotsk, Bering, Aral, Caspian.
- Rivers** : Ob, Yenisey, Lena, Amur, Hwangho, Chang-Jiang, Indus, Tigris, Euphrates, Mekong, Amu & Syr Darya.
- Lakes** : Balkash, Baikal.
- Mountains** : Himalayas, Kunlun, Hindukush, Sulaiman, Urals.

Straits : Bering, Malacca.

Plateaus : Pamir Knot, Arabian, Deccan, Tibet.

Assessment - I : Population (Ch. 2)
Migration (Ch. 3)

Midterm Test - I : Asia : Location, Extent, Political & Physical Features (Ch. 7)
including map work

Note : Assessment I syllabus included in Midterm Test I.

Note : Picture based question will be asked.

SECOND TERM

Chapters

1. Interpreting Topographical Maps (Pg. 9)
5. Natural & Man made Disasters (Pg. 64)
6. Disaster Management (Pg. 80)
9. India : Location, Extent, Political & Physical Features (Pg. 119)
10. India : Climate, Vegetation Forests & Wild Life (Pg. 133)
11. India : Human Resources (Pg. 152)

MAP WORK : INDIA

Water Bodies : Indian Ocean, Arabian Sea, Bay of Bengal, Lakshdweep Sea, Andaman Sea, Gulf of Kuchchh, Khambat & Munnar, Palk Strait, Chilka Lake.

Mountain Ranges : Himalayas, Karakoram, Aravali, Vindhya, Satpura, Western & Eastern Ghats.

Plains : Western Coastal (Konkan & Malabar) Eastern Coastal (Coromandel & N. Circars) Sunderban Delta, Thar Desert, Gangetic Plains.

Rivers : Indus, Ganga, Yamuna, Brahmaputra, Narmada, Tapi, Mahanadi, Godawari, Krishna, Kaveri.

Islands : Lakshdweep, Andaman & Nicobar, Tropic of Cancer.

Midterm Test - II :

Interpreting, Topographical Maps (Ch. 1)
Natural & Manmade Disaster (Ch. 5)

Assessment - II :

India : Location Extent & Political and
Physical Features. (Ch. 9)

Including map work.

Note : Picture based question will be asked.

COMPUTER STUDIES

Book : **ICSE Understanding Computer Studies - VIII (APC)**

FIRST TERM

1. Operating System (OS) & Graphical User Interface (GUI)
2. Spreadsheet - Functions and Charts
6. Networks

Assessment - I :

1. Operating System & Graphical User Interface

Midterm Test - I :

2. Spreadsheet - Functions and Charts

Note : Assessment I syllabus included in Midterm Test I.

SECOND TERM

3. Algorithms and Flow Charts
4. Program Coding

Midterm Test - II :

3. Algorithms and Flow Charts
4. Program Coding

Unit - 1 : Data types in Java.

Assessment - II :

4. Program Coding
- Unit - 2 : Operators and Expressions.
Unit - 3 : Compiling and Executing Programs.

MORAL SCIENCE

Book : **Inspiring Souls [Marina Publication]**

FIRST TERM

1. Shaking Earth
2. Goodness Meal

3. Flying Drama
4. Pumpkin Reward
5. Different Strokes
6. The Hanging Sword
7. Father's Will
8. Top to Bottom

SECOND TERM

9. Some Other Day
10. The Jar of Life
11. Stormy Stress
12. Green Steps
13. The Emperor's New Clothes
14. My Network
15. Food for Thought

GENERAL KNOWLEDGE

Book : Knowledge World - Book 8 Marina Publication Pvt. Ltd.

FIRST TERM

Pages 7 to 38

Current affairs from the daily news.

Months - March 2020 to July 2020

SECOND TERM

Pages 41 - 68

Current affairs from the daily news.

Months - August 2020 to December 2020

Note : Current affairs questions from daily news will be given in Term - I and Term - II in the question paper according to months mentioned above.

