

## CLASS - VIII

### ENGLISH - I [LANGUAGE]

#### 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) Determiners
- ii) Agreement of Subject and Verb
- iii) Non-finite verbs
- iv) The Present Tense
- v) The Past Tense
- vi) The Future Tense
- vii) Direct and Indirect speech
- viii) Prepositions
- ix) Conjunctions
- x) Active and Passive Voice
- xi) Phrases and Clauses
- xii) Conditional Sentences
- xiii) Transformation of Sentences
- xiv) Synthesis of Sentences

**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)

##### Lessons

1. The Adventure of the Blue Carbuncle
2. Ranji's Wonderful Bat
3. Set Our Children Free
4. India's Heroes
5. Macbeth
6. Lata Mangeshkar ..... in her own voice

##### Poems

1. The Lake Isle of Innisfree
2. I Remember, I Remember
3. Break, Break, Break
4. If
5. A Grain of Sand

## HINDI - I

पुस्तक : कथा कलश भाग - 8

1. भिखारिन
2. अहिंसा की विजय
3. अकबर और बीरबल
4. बालक चन्द्रगुप्त
5. पतंगबाजी का आयोजन
6. ईश्वर अच्छा ही करता है

7. एक घड़ा बुद्धि

8. शहीद बकरी

नोट : उपर्युक्त पाठों का सारांश एवं प्रश्नोत्तर।

**निबन्ध :**

1. विद्यार्थी जीवन और अनुशासन
2. परोपकार का महत्व
3. इंटरनेट का महत्व
4. मुंशी प्रेमचन्द
5. राष्ट्रीय एकता
6. स्वच्छ भारत
7. कोलकाता की संत मदर टेरेसा

**व्याकरण : 'हिन्दी व्याकरण एवं रचना' भाग - 8**

1. भाषा एवं व्याकरण
2. क्रिया और काल (भेदों के भेद) परिभाषा सहित
3. पर्यायवाची
4. विलोम शब्द
5. मुहावरे (1 से 49 तक)
6. विज्ञापन-लेखन
7. तत्सम-तद्भव (1 से 30 तक)
8. अव्यय :
  - क) सम्बन्धबोधक
  - ख) समुच्चय बोधक
  - ग) विस्मयादि बोधक
  - घ) क्रिया विशेषण

9. वाक्य विचार

10. उपसर्ग एवं प्रत्यय

11. अनेक शब्दों के लिए एक शब्द

12. लोकोक्ति (1 से 40 तक)

13. श्रुतिसम भिन्नार्थक शब्द

14. अपठित गद्यांश

**पत्र लेखन :**

- औपचारिक 1- अपने क्षेत्र में विद्युत से उत्पन्न समस्या के संबंध में।  
2- पुस्तक विक्रेता को पुस्तक बदलने के लिए पत्र।
- अनौपचारिक 1- अपने पुत्र को कुसंगति से दूर रहने को कहने के लिए पत्र। (पिता के द्वारा पुत्र को पत्र)  
2- अपनी सहेली / अपने मित्र को बड़े भाई, बहन को विवाह में बुलाने के लिए निमंत्रण पत्र।

## HINDI - II

**नूतन गुंजन हिन्दी पाठमाला - 8**

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

8. मेरा नया बचपन (कविता)
9. धरती का सुरक्षा कवच
10. अनोखा बदला
11. आठ अभिमन्यु
12. कपि करि हृदयँ विचार (कविता) दोहा / चौपाई
13. रोटियाँ

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

## SANSKRIT

Book : Sanskrit Sudha - III (Amrita Prakashan)

Work Book : Sanskrit Sudha Abhyas Pustika - III

पाठ :

1. वृक्षारोपणस्य महत्त्वम्
2. अकालभाषी विनश्यति
3. किं कर्तव्यं, किं न कर्तव्यम्
4. संस्कृत गौरवम्
5. बुद्धिर्यस्य बलं तस्य
6. अस्माकं उत्सवाः
7. राष्ट्र चिह्नानि
8. नीति-श्लोकाः
9. पितृभक्तो नचिकेताः

## Declensions : (शब्दरूपाणि)

Masculine : पितृ, राजन्, भानुः

Feminine : मातृ, मति

Pronouns : इदम् in Masculine, Feminine and Neuter

## Conjugations : (धातुरूपाणि)

Potential Mood : अस्, कृ, भू, गम्

Future Tense : पठ्, भू, दृश्, खाद्

## MATHEMATICS

Book : Mathematics Today by O.P. Malhotra

### Number System :

1. Rational Numbers
2. Exponents
3. Squares and Square roots
4. Cube and Cube roots
5. Sets

### Ratio & Proportion :

6. Percentage
7. Profit, Loss and Discount
8. Simple Interest and Compound Interest
9. Direct and Indirect Variation
10. Time and Work

**Algebra :**

- 11. Fundamental Concepts and Operations
- 12. Algebraic Identities (Some Special Products)
- 13. Factorisation
- 14. Linear Equations

**Mensuration :**

- 15. Circumference and Area of Circle

**Geometry :**

- 16. Quadrilaterals
- 17. Special Types of Quadrilaterals Excluding 19E
- 18. Circle

**Data Handling :**

- 19. Data Handling
- 20. Probability

## PHYSICS

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

**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.

**5. Light**

Refraction of light, Laws of Refraction, Refraction through a glass slab, Dispersion, Real and Virtual image.

**6. Heat :**

Effects of Heat, Units of heat, Specific heat capacity, heat capacity, conductors and insulators, latent heat. Thermal expansion (linear, superficial and cubical)

**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, Mono-tone, Quality Numericals

**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.

*Note :* Extra topics given in the book are not included in the syllabus.

## CHEMISTRY

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

### 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.

### 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 chemical equation and its removal.

### 6. **HYDROGEN:**

Occurrence, General preparation, Laboratory and Industrial preparation of Hydrogen, Physical properties of hydrogen. Test for hydrogen, uses of hydrogen.  
[ Exclude - Oxidation and reduction reactions. ]

### 7. **CARBON AND ITS COMPOUNDS :**

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

### 8. **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.

## BIOLOGY

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

*By : Veer Bala Rastogi*

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
7. Nervous System

## HISTORY AND CIVICS

**Book : Cambridge Connection History and Civics - 8**

*(Cambridge University Press)*

### 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. Beginning of British Rule in Bengal (Ch. 8)
8. Expansion of British Power in India (Ch. 9)

9. British Policies and their Impact (Ch. 10)
10. The Revolt of 1857 (Ch. 11)
11. Social and Religious Reforms (Ch. 12)
12. Rise of Indian Nationalism (Ch. 13)

### CIVICS :

1. The Union Legislature (Ch. 16)
2. The Union Executive (Ch. 17)
3. The Judiciary (Ch. 18)
4. The United Nations (Ch. 19)
5. Agencies of the United Nations (Ch. 20)

## GEOGRAPHY

**Book : Voyage - VIII**

*Oxford University Press*

### Chapters :

- Ch. 2. Population (Pg. 26)
- Ch. 3. Migration (Pg. 40)
- Ch. 4. Urbanization (Pg. 52)
- Ch. 7. Asia : Location, Extent, Political &  
Physical Features (Pg. 92)
- Ch. 8. Asia : Climate & Natural Vegetation (Pg. 105)
- Ch. 1. Interpreting Topographical Maps (Pg. 9)
- Ch. 6. Disaster Management (Pg. 80)
- Ch. 9. India : Location, Extent, Political &  
Physical Features (Pg. 119)
- Ch. 10. India : Climate, Vegetation Forests  
& Wild Life (Pg. 133)

### 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.

### 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.

**Note** : Picture based question will be asked.

## COMPUTER STUDIES

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

1. Operating System (OS) & Graphical User Interface (GUI)
2. Spreadsheet - Functions and Charts
4. Program Coding

## MORAL SCIENCE

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

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
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.*  
Pages 7 to 38

Current affairs from the daily news.

Months - March 2020 to July 2020  
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.

