

Class-07 (English)

(Total Videos # 275)

Chapter # 01

The Last Sermon of the Rasool Hazrat Muh

(25 Videos)

1.1 Vocabulary

1. Vocabulary (words/meanings/sentences) Part 1

1.2 Reading for Comprehension

1. Comprehension-The Last Sermon of the Rasool Hazrat Muhammad (S.A.W)-1
2. Comprehension-The Last Sermon of the Rasool Hazrat Muhammad (S.A.W)-2
3. Comprehension-The Last Sermon of the Rasool Hazrat Muhammad (S.A.W)-3

1.3 Dictionary Skills

1. Dictionary Skills

1.4 Grammar

1. Common Nouns (explanation with examples)
2. Proper Nouns (explanation with examples)
3. Pronouns (explanation with examples)
4. Personal Pronouns (explanation with examples)
5. Verbs (explanation with examples)
6. Forms of Verbs for Regular Verbs (explanation with examples)
7. Forms of Verbs for Irregular Verbs (explanation with examples)
8. Present Simple Tense(Uses & Formation)
9. Ways to End a Sentence (full stop, comma, exclamation)
10. Commas with Simple Series, Oxford comma and Adjectives (Rule 1 and 2)
11. Commas with Direct Speech, Contrasting Parts and Introductory Items (
12. Apostrophes with Singular Nouns (Rule 1 to 2)
13. Identify Apostrophes with Plural Nouns (regular nouns) (Rule 3 to 4)
14. Identify Apostrophes with Plural Nouns (irregular Nouns) (Rule 4- 5)
15. Apostrophes with Contractions(Rule 13)
16. Colons with Series of Items (Rule 1-3)
17. Colons with Vertical Lists and Series of Items (Rule 4-5)
18. Semicolons with Conjunctions and Series of Items (Rule 3 to 6)

1.5 Writing Skills

1. Writing a Diary Entry

1.6 Oral Communication Skills

1. Sana & Asim at the Shop (fill speech bubbles)

Chapter # 02

Our Villages

(13 Videos)

2.1 Vocabulary

1. Vocabulary (words/meanings/sentences) Part 2
2. Use of Thesaurus (synonyms)

2.2 Reading for Comprehension

1. Comprehension-Our Villages

2.3 Dictionary Skills

2. Dictionary Skills

2.4 Grammar

1. Linking Verbs (explanation with examples)
2. Prepositions (explanation with examples)
3. Prepositions (explanation with examples & exercise)
4. Compound Prepositions (explanation with examples)
5. Exercise-Compound Prepositions

2.5 Writing Skills

1. Picture Description of a Park (look and describe)
2. More on Picture Description of a Park
3. A Village

2.6 Oral Communication Skills

1. Myself-Monologue(reading /explanation/activities)

Chapter # 03

Eid-ul-Azha

(25 Videos)

3.1 Vocabulary

1. Use of Thesaurus (synonyms)
2. Vocabulary (words/meanings/sentences) Part 3
3. Dictionary Skills

3.2 Reading for Comprehension

1. Comprehension-Eid-ul-Azha-Part 1
2. Comprehension-Eid-ul-Azha-Part 2

3.3 Grammar

1. Countable and Uncountable Nouns (explanation with examples)
2. Adverbs (explanation with examples)
3. Kinds of Adverbs (explanation with examples)
4. More on Kinds of Adverbs
5. Ways to End a Sentence (full stop, comma, exclamation)
6. International Phonetic Alphabet (IPA) in English (Introduction)
7. Phonetics
8. Monophthongs: Sounds and Symbols Part 1
9. Monophthongs: Sounds and Symbols Part 2
10. Monophthongs: Sounds and Symbols Part 3
11. Diphthongs: Sounds and Symbols Part 1
12. Diphthongs: Sounds and Symbols Part 2
13. Diphthongs: Sounds and Symbols Part 3

3.4 Writing Skills

1. Paragraph Writing Intro-Outline (explanation with examples)
2. Paragraph Writing Sample(writing of a paragraph)
3. Festivals (Eid ul Fitr/Azha/Christmas etc.)
4. Eid-ul-Fiter (passage/picture-reading/explanation)
5. Eid-ul-Fiter (passage/picture-reading/explanation)

3.5 Oral Communication Skills

1. Good Habits-Monologue (reading /explanation/activities)
2. More on Good Habits

Chapter # 04

Rain in Summer (Poem)

(20 Videos)

4.1 Vocabulary

1. Vocabulary (words/meanings/sentences) Part 4
2. Use of Thesaurus (synonyms)

4.2 Reading for Comprehension

1. Comprehension-Rain in Summer (Poem)-1
2. Comprehension-Rain in Summer (Poem)-2
3. Comprehension of a Poem Part 3

4. Use of Simile: Activity
5. Exercise-Summary Skills-1

4.3 Grammar

1. Definite and Indefinite Articles (explanation with examples)
2. Exercise-Articles
3. Articles (explanation/identify/insert articles)
4. Special Use of Article "An" and "A"
5. Some Common Uses of Article "The"
6. Adjectives (explanation with examples)
7. Syllable Stress: Word Form

4.4 Writing Skills

1. Flow Chart of a School Event
2. Describe the Picture (look and tell)
3. Paragraph Writing Intro-Outline (explanation with examples)
4. Paragraph Writing Sample(writing of a paragraph)
5. Exercise-Summary Skills-1

4.5 Oral Communication Skills

1. Expressing Feelings-Dialogue (reading /explanation/activities)

Chapter # 05

Traffic Sense

(22 Videos)

5.1 Vocabulary

1. Vocabulary (words/meanings/sentences) Part 5
2. Use of Thesaurus (synonyms)

5.2 Reading for Comprehension

1. Comprehension-Traffic Sense-Part 1
2. Comprehension-Traffic Sense-Part 2
3. Road Safety
4. Sign Boards (Zebra Crossing/U-turn etc)9

5.3 Grammar

1. Some More Types of Adjectives Part 1
2. Some More Types of Adjectives Part 2
3. Some More Types of Adjectives Part 3 (Activity)
4. Forming Adjectives from Nouns Part 1

5. Forming Adjectives from Nouns Part 2 (Activity)
6. One Syllable Words (corn, nest etc)
7. Two Syllable Words-but/ter, san/dal etc
8. Two Syllable Words-can/dle, ti/ger etc

5.4 Writing Skills

1. Road Safety
2. Writing a Personal Narrative
3. Narrative Essay Sample-Part-1 (writing of essay)
4. Narrative Essay Sample-Part-2 (writing of essay)
5. Narrative Essay Sample-Part-3 (writing of essay)
6. Narrative Essay Sample-Part-4 (writing of essay)
7. Picture Writing (how to develop a paragraph)

5.5 Oral Communication Skills

1. A Dialogue between Friends (reading /explanation/activities)

Chapter # 06

Pollution

(23 Videos)

6.1 Vocabulary

1. Vocabulary (words/meanings/sentences) Part 6
2. Use of Thesaurus (synonyms)

6.2 Reading for Comprehension

1. Comprehension-Pollution-Part 2

6.3 Grammar

1. Present Perfect Tense (Uses&Formation)
2. Present Perfect Tense(Table) (explanation with examples)
3. Active and Passive Voice (explanation with examples)
4. Active and Passive Voice Table Part 1 (explanation & examples)
5. Active and Passive Voice Table Part 2 (explanation & examples)
6. Active and Passive Voice Table Part 3 (explanation & examples)
7. Active and Passive Voice Table Part 4 (explanation & examples)
8. Exercise-Active & Passive Voice

6.4 Writing Skills

1. Letter Types and Format(explanation with examples)
2. Styles and Tones in Letter Writing
3. Informal Letter Sample (reading and discussion of sample)
4. Commas with Phrases, Dates and Addresses (Rule 10 to 13)
5. Punctuating Salutations and Valedictions
6. Punctuating Dates

7. Punctuating Addresses
8. Cause and Effect Essay Sample (writing of essay)
9. More on Cause and Effect Essay Sample (writing of essay)

6.5 Oral Communication Skills

1. Going shopping-Dialogue (reading /explanation/activities)
2. More on Going shopping-Dialogue

Chapter # 07

A Dengue Patient Visits a Doctor

(21 Videos)

7.1 Vocabulary

1. Vocabulary (words/meanings/sentences) Part 7

7.2 Reading for Comprehension

1. Comprehension-A Dengue Patient Visits a Doctor-1
2. Comprehension-A Dengue Patient Visits a Doctor-2

7.3 Grammar

1. Modal Verbs (explanation with examples)
2. More on Modal Verbs
3. Exercise-Modal Verbs
4. Modal Verbs (explanation/use of modal verbs to describe various situa
5. Use of 'Can' and 'May'
6. Use of 'Should' and 'Must'
7. Use of 'Could' 'Might' and 'Would'
8. Use of Must & Must Not
9. Use of "Used To"
10. Ways to End a Sentence (full stop, comma, exclamation)
11. Punctuating Dates

7.4 Writing Skills

1. Writing a Narrative Paragraph Part 1
2. Writing a Narrative Paragraph Part 2
3. Narrative Essay Sample-Part-1 (writing of essay)
4. Narrative Essay Sample-Part-2 (writing of essay)
5. Narrative Essay Sample-Part-3 (writing of essay)
6. Narrative Essay Sample-Part-4 (writing of essay)

7.5 Oral Communication Skills

1. Likes and Dislikes-Dialogue (reading /explanation/activities)

Chapter # 08

A Nation's Strength (Poem)

(11 Videos)

8.1 Vocabulary

1. Vocabulary (words/meanings/sentences) Part 8
2. Use of Thesaurus (synonyms)

8.2 Reading for Comprehension

1. Comprehension-A Nation's Strength (Poem)-1
2. Comprehension-A Nation's Strength (Poem)-2

8.3 Grammar

1. Kinds of Pronouns (reflexive/indefinite)(explanation)

8.4 Writing Skills

1. Exercise-Summary Skills-1
2. Writing a Paragraph with the help of a Mind Map part 1
3. Writing a Paragraph with the help of a Mind Map part 2
4. About Myself

8.5 Oral Communication Skills

1. Greetings-Dialogue (reading /explanation/activities)
2. More on Greetings-Dialogue

Chapter # 09

Kaghan Valley

(21 Videos)

9.1 Vocabulary

1. Vocabulary (words/meanings/sentences) Part 9
2. Use of Thesaurus (synonyms)
3. Transitional Devices (explanation/fill blanks)
4. More on Transitional Devices

9.2 Reading for Comprehension

1. Comprehension-Kaghan Valley-Part 1
2. Comprehension-Kaghan Valley-Part 2

9.3 Grammar

1. Use of Simile: Activity

2. Use of Metaphor
3. Figures of Speech-Simile/Metaphor/Imagery etc. Part-1
4. Idioms (10)- [meanings & Sentences] Part 1
5. Idioms (10)- [meanings & Sentences] Part 2
6. Phrasal Verbs (10)- [meanings & Sentences] Part 1
7. Phrasal Verbs (10)- [meanings & Sentences] Part 2
8. Homophones (words with same sounds but different meanings)

9.4 Writing Skills

1. Writing a Narrative Paragraph Part 1
2. Writing a Narrative Paragraph Part 2
3. Narrative Essay Sample-Part-1 (writing of essay)
4. Narrative Essay Sample-Part-2 (writing of essay)
5. Narrative Essay Sample-Part-3 (writing of essay)
6. Narrative Essay Sample-Part-4 (writing of essay)

9.5 Oral Communication Skills

1. Dialogue between Amna & Sidra (reading /explanation)

Chapter # 10

Quaid-i-Azam

(22 Videos)

10.1 Vocabulary

1. Vocabulary (words/meanings/sentences) Part 10
2. Use of Thesaurus (synonyms)

10.2 Reading for Comprehension

1. Comprehension-Quaid-i-Azam-Part 1
2. Comprehension-Quaid-i-Azam-Part 2

10.3 Grammar

1. Pronoun Antecedent Agreement
2. Pronoun Antecedent Agreement (Activity)
3. Pronoun and Referent
4. Conjunctions (explanation with examples)
5. Interjections (explanation with examples)
6. Nouns (explanation with examples)
7. Pronouns (explanation with examples)
8. Adjectives (explanation with examples)
9. Verbs (explanation with examples)
10. Adverbs (explanation with examples)
11. Prepositions (explanation with examples)
12. Nouns with Different Meanings in Different Numbers

10.4 Writing Skills

1. Writing Information About Your Favourite Personality/ Biography
2. Descriptive Essay Sample (writing of essay)
3. Character Sketch(explanation/steps to follow)
4. More on Character Sketch
5. An Essay on Quaid-e-Azam our National Hero (mind map/outline/writing)

10.5 Oral Communication Skills

1. I Dislike-Dialogue (reading /explanation/activities)

Chapter # 11

The Rooster and the Fox

(22 Videos)

11.1 Vocabulary

1. Vocabulary (words/meanings/sentences) Part 11

11.2 Reading for Comprehension

1. Comprehension-The Rooster and the Fox-Part 1
2. Comprehension-The Rooster and the Fox-Part 2

11.3 Grammar

1. Transitive Verb (explanation with examples)
2. Intransitive Verb (explanation with examples)
3. Prepositions (explanation with examples)
4. Phrase (explanation with examples)
5. Noun, Verb, Prepositional Phrases (explanation with examples)
6. Adjective Phrase (explanation with examples)
7. Exercise-Adjective Phrase
8. Adverb Phrase (explanation with examples)
9. Exercise-Adverb Phrase
10. More on Transitional Devices
11. Exercise Transitional Devices
12. Transitional Devices (explanation/fill blanks)

11.4 Writing Skills

1. Elements of a Story Part 1
2. Elements of a Story Part 2
3. Writing Your Own Fable
4. Differentiate Facts, Opinions & Implied statements
5. Fantasy and Realistic Story
6. Explanation of Terms like Genre, Fiction, Non-fiction etc.

11.5 Oral Communication Skills

1. Sana's Room-Monologue(reading /explanation/activities)

Chapter # 12

I Dream a World

(11 Videos)

12.1 Vocabulary

1. Vocabulary (words/meanings/sentences) Part 12
2. Synonyms & Antonyms Part 1(syllabus based)

12.2 Reading for Comprehension

1. Comprehension-I Dream a World-Part 1
2. Comprehension-I Dream a World-Part 2

12.3 Grammar

1. First Conditional: Activity
2. Pair of Words (Commonly Confused Words) Part 1
3. Pair of Words (Commonly Confused Words) Part 2
4. Use of Simile: Activity

12.4 Writing Skills

1. Writing a Diary Entry
2. Exercise-Summary Skills-1

12.5 Oral Communication Skills

1. Good Manners-Sentences(reading /explanation/activities)

Chapter # 13

Inventions and Discoveries

(21 Videos)

13.1 Vocabulary

1. Vocabulary (words/meanings/sentences) Part 13

13.2 Reading for Comprehension

1. Comprehension-Inventions and Discoveries-1
2. Comprehension-Inventions and Discoveries-2
3. Elements of a Story Part 1
4. Elements of a Story Part 2

13.3 Grammar

1. Second Conditional: Activity
2. Present Perfect Tense (Uses&Formation)
3. Present Perfect Tense(Table) (explanation with examples)
4. Foreign Words and their Plurals
5. Foreign Words and their Sentences
6. Foreign Words and their Sentences
7. Pronunciation: Silent letters in Words (with focus on silent and roll
8. Pronunciation: Silent letters in Words (with focus on "lk", "wr", "kn")

13.4 Writing Skills

1. Steps for writing an Essay (explanation with examples)
2. My School-Dialogue(reading /explanation/activities)
3. My School-Dialogue(reading /explanation/activities)
4. A Sample Comparison and Contrast Essay (outline/explanation)
5. More on A Comparison and Contrast Essay

13.5 Oral Communication Skills

Friends/Sharing-Good Habits (look at picture&tell)

13.6 Library Skills

1. Explanation of Terms like Genre, Fiction, Non-fiction etc.
2. Fantasy and Realistic StoryL

Chapter # 14

A Terrible Earthquake

(18 Videos)

14.1 Vocabulary

1. Vocabulary (words/meanings/sentences) Part 14

2. Vocabulary (words/meanings/sentences) Part 15

14.2 Reading for Comprehension

1. Comprehension-A Terrible Earthquake-Part 1
2. Comprehension-A Terrible Earthquake-Part 2

14.3 Grammar

1. Simple Past Tense (practice)
2. Relative Pronouns & antecedent(explanation with examples)
3. More on Relative Pronouns
4. Exercise-Relative Pronouns
5. Intro Direct/Indirect Speech
6. Intro Direct/Indirect Speech: Activity
7. Orders and Requests: Direct/Indirect Speech

14.4 Writing Skills

1. Writing a Personal Narrative
2. Writing Your Own Fable
3. Narrative Essay Sample-Part-1 (writing of essay)
4. Narrative Essay Sample-Part-2 (writing of essay)
5. Narrative Essay Sample-Part-3 (writing of essay)
6. Narrative Essay Sample-Part-4 (writing of essay)

14.5 Oral Communication Skills

1. Agreeing and Disagreeing (Yes you may/No you may not)

Class-07 (Mathematics)

(Total Videos # 196)

Chapter # 01

Sets (30 Videos)

1.1 Sets

1. Set Definition
2. Problem-Introduction to Set
3. Describing a Set
4. Problem-Describing a Set
5. Introduction to Venn Diagram
6. Problem-Introduction to Venn Diagram
7. Problem-Representing Sets Through Venn Diagrams
8. Some Important Sets of Numbers
9. Problem-Some Important Sets
10. Subset and Superset of a Set
11. Problem-Subset and Superset of a Set
12. Proper Subset & Improper Subset
13. Problem-Proper and Improper Subset of a Set
14. Equal & Equivalent Sets
15. Problem-Equal and Equivalent Sets
16. Disjoint Set
17. Overlapping Sets
18. Problem-Disjoint and Overlapping Sets
19. Union of Two Sets
20. Problem-Union of Two Sets
21. Intersection of Set
22. Difference of Sets
23. Problem-Difference of Two Sets
24. Universal Set
25. Complement of a Set
26. Problem-Universal Set and Complement of a Set
27. Demorgan Law 1
28. Problem-Complement of Union Equals Intersection of Complements
29. Demorgan Law 2
30. Problem-Complement of Intersection Equals Union of Complements

Chapter # 02

Rational Numbers (24 Videos)

2.1 Rational Numbers

1. Concept of Rational Numbers
2. Problem-Concept of Rational Numbers
3. Representation of Rational Number on a Number Line
4. Problem-Representation of Rational Number on a Number Line
5. Comparison of Rational Numbers Having Same Denominator
6. Comparison of Rational Numbers Having Different Denominator
7. Problem-Comparison of Rational Numbers Having Different Denominator
8. Ordering of Rational Numbers
9. Problem-Arranging Rational Numbers in Order

2.2 Properties of Rational Numbers w.r.t Ad

1. Associative Law
2. More on Associative Law
3. Additive identity and additive inverse
4. Additive inverse of rational numbers
5. Commutative Law of rational numbers w.r.t addition
6. Problem-Commutative Property with Respect to Multiplication

2.3 Properties of Rational Numbers w.r.t Mu

1. Associative Law
2. More on Associative Law
3. Multiplicative inverse
4. Commutative Law of rational numbers w.r.t multiplication
5. Distributive Property of Multiplication Over Addition
6. Problem-Distributive Property of Multiplication Over Addition
7. Distributive Property of Multiplication Over Subtraction
8. Problem-Distributive Property of Multiplication Over Subtraction
9. Problem Solving Involving Rational Numbers

Chapter # 03

Squares and Square Roots (20 Videos)

3.1 Squares

1. Squares and Squares Root
2. Squares of Natural Numbers
3. Concept of Perfect Squares

4. The Square of a Proper Fraction is Less than Itself
5. The Square of a Decimal less than 1 is Less than Itself
6. Problem-The Square of a Decimal less than 1 is Less than Itself

3.2 **Square Roots**

1. Test Whether a Number is a Perfect Square or Not
2. Problem-Test Whether a Number is a Perfect Square or Not
3. Introduction to Square Root of Positive Numbers
4. Problem-Introduction to Square Root of Positive Numbers
5. The Square Root of Numbers Which are Perfect Square
6. Square Root of a Natural Number
7. Problem-Finding Square Roots By Prime Factorization
8. Finding Square Roots of Fractions
9. Problem-Finding Square Roots of Fractions
10. Finding Square Roots of Decimals
11. More on Finding Square Roots of Decimals
12. Problem-Finding Square Roots of Decimals
13. Solving Problem Involving Square Root-Problem-1
14. Solving Problem Involving Square Root-Problem-2

Chapter # 04

Proportions

(07 Videos)

4.1 **Direct and Inverse Proportion**

1. Introducing Proportion
2. Problem-Concept of Proportion
3. Problem-Direct Proportion
4. Problem-Inverse Proportion
5. Problem-Types of Proportion
6. Solving Problem Involving Inverse Proportion
7. Problem-Solving Problem Involving Direct Proportion

Chapter # 05

Financial Arithmetics

(34 Videos)

5.1 Profit, loss and discount

1. Concept of Profit and Loss
2. Problem-Concept of Profit and Loss
3. Concept of Discount
4. Problem-Concept of Discount
5. Word Problem Related to Profit
6. Word Problem Related to Loss
7. Word Problem Related to Discount
8. concept of percent profit
9. Problem- profit percentage
10. Concept of percent loss
11. Concept of percent loss
12. Problem-Related to Profit or Loss Percent-p1
13. Problem-Related to Profit or Loss Percent-p2
14. Problem-Related to Profit or Loss Percent-p3
15. Importance of Profit and Loss Percentage
16. Problem-Importance of Profit and Loss Percentage
17. Finding Selling Price When Profit/Loss Percent & Cost Price are Given
18. Finding Cost Price When Profit/Loss Percent and Selling Price are Giv
19. Prob-Finding Cost Price When Profit/Loss Percent and Selling Price

5.2 Taxes

1. Solve real life problems involving commission
2. Concept of Income Tax
3. Problem-Introduction to Income Tax
4. Concept of Property Tax
5. Problem-Concept of Property Tax
6. Value-added Tax and GST
7. Problem Related to Tax-p1
8. Problem Related to Tax-p2
9. Problem Related to Tax-p3

5.3 Zakat and Ushr

1. Introduction to Zakat
2. Word Problem of Zakat
3. More on Word Problem of Zakat
4. Introducing Ushr
5. Word Problem of Ushr
6. More on Word Problem of Ushr

Chapter # 06

Algebra

(23 Videos)

6.1 Profit, loss and discount

1. Concept of Polynomial and its Degree
2. Identification of a Monomial, Binomial and Trinomial
3. Problem-Identification of a Monomial, Binomial and Trinomial

6.2 Operation with polynomials

1. Addition of Algebraic Expression
2. Equality Property of Rational Expression
3. Addition of Polynomials by horizontal method
4. Problem-Addition of Polynomials by horizontal method
5. Addition of Polynomials by vertical method
6. problem-Addition of Polynomials by vertical method
7. Subtraction of polynomial by horizontal method
8. problem-Subtraction of polynomial by horizontal method
9. Subtraction of Polynomials by vertical method
10. Multiplication of Polynomials
11. Multiplication of binomials with trinomials
12. Problem-Multiplication of Polynomials-1
13. Problem-Multiplication of Polynomials-2
14. Vertical Multiplication of Polynomials
15. Problem-Vertical Multiplication of Polynomials
16. Division of Algebraic Expression
17. Division of Polynomials
18. Problem-Division of Polynomials
19. Simplification of an Algebraic Expressions
20. Problem1-Simplification of an Algebraic Expressions

Chapter # 07

Linear Equations

(02 Videos)

7.1 Graphs of Linear Equations

1. Solving Linear Equation Involving Decimal Coefficients
2. Graphing linear equation in coordinate system

Chapter # 08

Geometry

(10 Videos)

8.1 Quadrilaterals

1. Angles of Quadrilaterals-1
2. Angles of Quadrilaterals-2

8.2 Polygons

1. Concept of Polygon
2. Concept of Regular Pentagon, Hexagon & Octagon
3. Concept of Decagon
4. Sum of Angles of a Polygon

8.3 Circle

1. Introduction to Circle & its Characteristics
2. Concept of Radius, Chord and Diameter
3. Arc of a Circle
4. Segment of a Circle

Chapter # 09

Practical Geometry

(19 Videos)

9.1 Construction of Triangles

1. Construction of Equilateral Triangle Using Base
2. Construction of Equilateral Triangle Using Altitude
3. Constructing Isosceles Triangle Using Base and its Angle
4. Constructing Isosceles Triangle Using Vertex Angle-Height
5. Constructing Isosceles Triangle Using Altitude, Base-Angle
6. Constructing Right Triangle Using Hypotenuse and Side
7. Constructing Right Triangle Using Hypotenuse and Height

9.2 Construction of quadrilaterals

1. Constructing Square Using Diagonals
2. Constructing Square Using Difference of Diagonal and Side
3. Constructing Square Using Sum of Diagonal and Side
4. Construction of a rectangle when two sides are given
5. Construction of a rectangle when diagonal and a side are given
6. Construction of Rhombus Using Side and Base Angle
7. Construction of Rhombus Using Side and Diagonal
8. Construction of a kite when two unequal sides and a diagonal is given
9. Construction of a parallelogram when 2 adjacent sides & included angle
10. Construction of a parallelogram when 2 diagonals & angle between them
11. Construction of trapezium using two sides
12. Construction of trapezium using four sides

Chapter # 10

Mensuration

(08 Videos)

10.1 Circumference and Area of a Circle

1. Measurement of the Circumference of a Circle
2. Area of a Circular Region

10.2 Volume and Surface Area of Prisms and C

1. Volume of right triangular prism
2. Arc length and area of the sector of circle
3. Surface Area of the Cylinder
4. Volume of a Cylinder
5. Word Problem on Prism
6. Word Problem on Cylinder

Chapter # 11

Transformations

(01 Videos)

11.1 Translation

1. Translation of object

Chapter # 12

Data Handling

(12 Videos)

12.1 Frequency Distribution

1. Collection and Presentation of Data
2. Problem on Data, Collection of Data, Presentation of Data
3. Class Frequency
4. Problem-Class Mark, Limit and Frequency

12.2 Line Graph

1. Line graph

12.3 Measure of Central Tendency

1. A.M of Ungrouped Data by Direct Method
2. Problem on A.M of Ungrouped Data by Direct Method
3. Mode for Ungrouped Discrete Data
4. Problem on Mode for Ungrouped Discrete Data
5. Median of Primary Data
6. Problem-Median of Primary Data
7. Word Problem on Mean Median and Mode

Chapter # 13

Probability

(06 Videos)

13.1 Probability

1. Equally likely outcomes
2. Introduction to probability

13.2 Certain and Impossible Events

1. Certain and Impossible Events

13.3 The Complement of an Event

1. Complement of an Event
2. Word problem on probability
3. Application of Probability

Class-07 (Computer Science)

(Total Videos # 68)

Chapter # 01

Hardware Basics (19 Videos)

1.1 System Unit

1. What is Computer Hardware
2. Hardware vs Software
3. I/O Hardware : Input Output Devices
4. Microprocessor
5. Storage Hardware : Memory
6. Networking Hardware
7. A System Unit : Desktop and Tower Casing
8. Mother board
9. More on Mother board
10. Central Processing Unit : ALU , Control Unit
11. Computer Memory : Why it is necessary for Computer
12. Main Memory
13. RAM : Random Access Memory
14. ROM : Read Only Memory
15. Types of Expansion Cards
16. Expansion Slots Types

1.2 Cutting edge technologies

1. Barcode and QR readers
2. Access Card and Biometrics
3. Access Card and Biometrics

Chapter # 02

Software Basics (13 Videos)

2.1 System Software

1. What is Software
2. More on Software
3. Types of Software
4. Types of System Software

5. The Concept of Operating System
6. Functions of Operating System
7. Windows Drivers
8. What are Utility Programs
9. Exploring Windows Explorer

2.2 Application Software

1. Types of Application Software
2. Productivity Software
3. Business and Entertainment Application Software
4. Educational Application Software

Chapter # 03

Customizing a Word Document (23 Videos)

3.1 Changing Display of a Document

1. What is Word Processing
2. Word Window overview
3. Manage a word document
4. Design , Layout, Reference and Review Tab in MS Word
5. Smart Lookup and Zoom Text in MS Word

3.2 Editing text

1. Editing text: Inserting and selecting
2. Editing text: Cut, Copy, paste and delete
3. Inserting symbols in a document
4. Inserting symbols in a document
5. Spell checking and thesauras in MS word

3.3 Formatting Text

1. Text Formatting: Font size, style and color
2. Text Formatting: Modify text and text case

3.4 Formatting Paragraphs

1. Paragraph Formatting: Alignment and indent
2. Paragraph Formatting: Border, Shading and spacing

3.5 Formatting pages

1. Page Formatting: Orientation, size and columns
2. Page Formatting: Border and color
3. Page Formatting: Insert cover and blank page
4. Insert page break and section break
5. Insert header, footer and page number
6. Foot Notes and End Notes in MS Word
7. Modify page setup in a document

3.6 Printing a document

1. printing the document
2. Modify print settings in MS Word

Chapter # 04

Multimedia Presentation (10 Videos)

4.1 Creating a PowerPoint Presentation

1. Concept of multimedia and graphics.
2. Creating a Slide in Microsoft Powerpoint
3. Create a new presentation
4. Create a presentation based on a template
5. Insert and format slides
6. Format slide backgrounds

4.2 Adding Animations

1. Apply slide transition
2. Animate slide content in PowerPoint
3. Configure Advanced motion paths
4. Configure and Present a slide show

Chapter # 05

Electronic Mail (03 Videos)

5.1 Introduction to Email

1. Working with Email

5.2 Sending and Receiving Email

1. Creating an Email Account and Sign out
2. Parts of Email Messages and replying an Email

Class-07 (General Science)

(Total Videos # 166)

Chapter # 01

Human Organ Systems (03 Videos)

1.1 Digestive System

1. Food And Nutrition
2. Digestive System
3. Digestion in Stomach
4. Small And Large Intestine
5. Digestive Glands

1.2 Disorders of Digestive System

1. Diarrhea
2. Constipation

1.3 Respiratory System

1. Respiration
2. Structure of Human Respiratory System
3. Exchange of Carbon Dioxide And Oxygen
4. The Mechanism of Breathing
5. Comparison of Respiration and Burning

1.4 Common diseases of Respiratory System

1. Common Cold
2. Pneumonia

Chapter # 02

Transport in Humans And Plants (16 Videos)

2.1 Human Blood Circulatory System

1. Introduction to Transport in Humans And Plants
2. Human Heart
3. Working of the Blood Circulatory System
4. Blood Vessels

2.2 Diet Affects Our Circulatory System

1. Heart Attack
2. Symptoms and Prevention of Heart Attack
3. High Blood Pressure or Hypertension
4. Diabetes

5. Asthma

2.3 Transportation in Plants

1. Transport in Plants
2. Absorption of Water Through Roots
3. Transpiration

2.4 Translocation

1. Translocation
2. Structure of Root
3. Structure of Stem
4. Structure of Leaf

Chapter # 03

Reproduction in plants (10 Videos)

3.1 Pollination

1. Reproduction
2. Parts of a Flower
3. Pollination

3.2 Kinds of Pollination

1. Pollination

3.3 Agents of Pollination

1. Pollination by Water and Wind
2. Pollination by Animals

3.4 Kinds of Reproduction

1. Comparison of Asexual and Sexual Reproduction

3.5 Fertilization in Plants

1. Germination of Pollen Grains and Fertilization

3.6 Formation of Seed and fruits

1. Formation of Seed and fruit
2. Structure of Seed

Chapter # 04

Environment And Feeding Relationship (18 Videos)

4.1 Ecosystems

1. Environment
2. Ecosystem
3. Biotic components of an Environment
4. Abiotic components of an Environment

4.2 Habitat

1. Habitat

4.3 Kinds of Habitat

1. The Grassland Habitat
2. Fresh Water Habitat
3. Forest Habitat
4. Forest Habitat
5. Factors Causing The Changes in a Habitat
6. More on Factors Causing The Changes in a Habitat
7. How People Change Habitat?
8. Aquatic Habitat Adaptations
9. Adaptations of Plants to Live in a Habitat
10. Adaptations of Animals to Live in a Habitat
11. More on Adaptations of Animals to Live in a Habitat

4.4 Biotic components and Their Relation Wi

1. Food Chain
2. Food Web

Chapter # 05

Water (10 Videos)

5.1 Water For Life

1. Water For Life

5.2 Sources of Water

1. Sources of Water
2. Underground Water

5.3 Impurities of Water

1. Impurities in Water

5.4 Cleaning of Water

1. Filtration
2. Boiling
3. Purification of Water by Chlorination and Addition of Potash Alum
4. Distillation

5.5 Uses of Water

1. Uses of Water
2. Conservation of Water

Chapter # 06

Structure of An Atom (14 Videos)

6.1 Structure of an Atom

1. Structure of an Atom

6.2 Atomic And Mass Numbers

1. Atomic Number
2. Mass Number

6.3 Distribution of Electrons in Shell

1. Distribution of Electrons in Shell
2. More on Distribution of Electrons in Shell

6.4 Valency And Ions

1. Valency
2. More on Valency
3. Ions

6.5 Isotopes And Their Uses

1. Isotopes
2. Uses of Isotopes

6.6 Molecules And Chemical Formulae

1. Molecules
2. Chemical Formula
3. Making Chemical Formula of Ionic Compounds

6.7 Law of Constant Composition

1. Law of Constant Composition

Chapter # 07

Physical and Chemical Changes And Proces

(09 Videos)

7.1 Physical and Chemical Changes

1. Physical Changes and Processes
2. Chemical Changes and Processes

7.2 Applications of Chemical Changes

1. Applications of Chemical Changes And Processes
2. Hydrocarbons
3. Physical and Chemical Properties of Fertilizers
4. Environmental Hazards Related to Fertilizers Use
5. Changing of Vegetable Oil into Ghee
6. Manufacturing of Plastics

7.3 Reversible And Irreversible Changes

1. Reversible And Irreversible Changes

Chapter # 08

Transmission of Heat (12 Videos)

8.1 Transfer of Heat

1. Heat

8.2 Conduction

1. Conduction of Heat

8.3 Good And Bad Conductors

1. Good And Bad Conductors

8.4 Every Day Application of Conduction of

1. Everyday Application of Conduction of Heat

8.5 Convection

1. Convection of Heat

8.6 Winds And Ocean Currents

1. Effects and Applications of Convection

8.7 Everyday Applications of Convection Currents

1. Effects and Applications of Convection

8.8 Radiation

1. Radiation of Heat

8.9 Experiments on Radiation And Absorption

1. Good And Bad Radiators And Absorbers of Heat

8.10 Good And Bad Radiators And Absorbers of Heat

1. Good And Bad Radiators And Absorbers of Heat

8.11 Everyday Applications of Radiation of Heat

1. Applications of Radiations In Our Daily Life

8.12 The Vacuum Flask

1. Vacuum Flask

Chapter # 09

Dispersion of Light (17 Videos)

9.1 Refraction

1. Sources of Light
2. Light
3. Refraction of Light

9.2 Refraction in Different Mediums

1. Refraction of Light

9.3 Laws of Refraction

1. Laws of Refraction
2. Refractive Index

9.4 Real And Apparent Depth

1. Real And Apparent Depth

9.5 Critical Angle

1. Critical Angle

9.6 Total Internal Reflection

1. Critical Angle

9.7 Applications of Total Internal Reflection

1. Applications of Total Internal Reflection
2. Periscope
3. Mirages
4. Mirages

9.8 Dispersion of Light

1. Dispersion of Light
2. Rainbow Formation

9.9 Colours of Light

1. Colours of Light

9.10 Colours of Objects

1. Colours of Objects

Chapter # 10

Sound Waves (13 Videos)

10.1 Transverse And Longitudinal Waves

1. Sound
2. How Is Sound Produced?
3. Transverse Waves
4. Longitudinal Waves

10.2 Wavelength, Speed, Amplitude And Freque

1. Amplitude And Wavelength of Sound Waves
2. Time Period and Frequency of Sound Waves
3. Speed of Sound Waves
4. Relationship Between Speed, Wavelength and Frequency of Sound Waves

10.3 Audible Frequency Range

1. Audible Frequency Range

10.4 Pitch And Loudness

1. Pitch of Sound
2. Loudness of Sound

10.5 Application of Different Sounds

1. Sounds Produced by Different Musical Instruments
2. Applications of Different Sounds

Chapter # 11

Circuits And Electric Currents (22 Videos)

11.1 Flow of Current

1. Electricity and Its Kinds
2. Flow of Current
3. Circuit Diagrams

11.2 Types of Electric Circuits

1. Series Circuit
2. Parallel Circuit
3. Advantages of a Parallel Circuit Over a Series Circuit

11.3 Energy Transfer In an Electrical Circuit

1. Energy Transfer In an Electrical Circuit
2. How Do Charges Flow?

3. Resistance
4. Relationship Between Voltage And Resistance (Ohm's Law)

11.4 Measuring Current, Voltage And Resistan

1. Measuring Current
2. Potential Difference
3. Measuring Resistance
4. Electric Current
5. Electrical Power

11.5 Effects of an Electric Current

1. Magnetic Effect of Current
2. Electricity Produces Heat
3. Chemical Effect of Current
4. Making The Magnet

11.6 Why is Electricity Dangerous

1. Why is Electricity Dangerous?

11.7 Electricity And Safety

1. Safety Devices To Avoid Electrical Hazards
2. More on Safety Devices To Avoid Electrical Hazards

Chapter # 12

Investigating The Space (11 Videos)

12.1 What's Beyond Our Solar System

1. What is Beyond Our Solar System?
2. The Origin of the Universe

12.2 Stars, Galaxies, Milky Way And Star Dis

1. Stars
2. Galaxies
3. Milky Way
4. Constellations

12.3 The Life of Stars

1. Birth Of A Star
2. Death Of A Star
3. Black Holes

12.4 Looking At Stars

1. Looking At Stars
2. Safety Tips For Observing the Sun