

Class-06 (English)

(Total Videos # 258)

Chapter # 01 Fair dealing of Hazrat Muhammad (S.A.W) (27 Videos)

1.1 Vocabulary

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

1.2 Reading for Comprehension

1. Comprehension-Fair Dealing of Hazrat Muhammad (S.A.W)-Part 1
2. Comprehension-Fair Dealing of Hazrat Muhammad (S.A.W)-Part 2
3. Dictionary Skills

1.3 Grammar

1. Common Nouns (explanation with examples)
2. Proper Nouns (explanation with examples)
3. Apostrophes with Singular Nouns (Rule 1 to 2)
4. Identify Apostrophes with Plural Nouns (regular nouns) (Rule 3 to 4)
5. Identify Apostrophes with Plural Nouns (irregular Nouns) (Rule 4- 5)
6. Simple Past Tense (practice)
7. Forms of Verbs for Regular Verbs (explanation with examples)
8. Forms of Verbs for Irregular Verbs (explanation with examples)
9. Ways to End a Sentence (full stop, comma, exclamation)
10. International Phonetic Alphabet (IPA) in English (Introduction)
11. Phonetics
12. Monophthongs: Sounds and Symbols Part 1
13. Monophthongs: Sounds and Symbols Part 2
14. Monophthongs: Sounds and Symbols Part 3
15. Diphthongs: Sounds and Symbols Part 1
16. Diphthongs: Sounds and Symbols Part 2
17. Diphthongs: Sounds and Symbols Part 3

1.4 Writing Skills

1. Interrogative Sentences (explanation with examples)

2. Changing Statements into Negatives and Interrogatives
3. Paragraph Writing Intro-Outline (explanation with examples)
4. Paragraph Writing Sample(writing of a paragraph)
5. Character Sketch(explanation/steps to follow)

1.5 Oral Communication Skills

1. Dialogue: May I come in, sir?

Chapter # 02 Surrounded by Trash

(22 Videos)

2.1 Vocabulary

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

2.2 Reading for Comprehension

1. **Comprehension of a Cause and Effect Essay Part 1**
2. **Comprehension of a Cause and Effect Essay Part 2**

2.3 Grammar

1. Countable and Uncountable Nouns (explanation with examples)
2. Definite and Indefinite Articles (explanation with examples)
3. Exercise-Articles
4. Kinds of Adverbs (explanation with examples)
5. More on Kinds of Adverbs
6. Present Simple Tense(Uses & Formation)
7. Present Simple Tense(Table) (explanation with examples)
8. Ways to End a Sentence (full stop, comma, exclamation)
9. Commas with Simple Series, Oxford comma and Adjectives (Rule 1 and 2)
10. Interrogative Sentences (explanation with examples)
11. Changing Statements into Negatives and Interrogatives
12. One Syllable Words (corn, nest etc)
13. Two Syllable Words-but/ter, san/dal etc
14. Two Syllable Words-can/dle, ti/ger etc

2.4 Writing Skills

1. Cause and Effect Essay Sample (writing of essay)
2. More on Cause and Effect Essay Sample (writing of essay)

2.5 Oral Communication Skills

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

Chapter # 03 Chitral Valley

(26 Videos)

3.1 Vocabulary

1. Vocabulary (words/meanings/sentences) Part 3

3.2 Reading for Comprehension

1. Comprehension of a Letter Part 1
2. Comprehension of a Letter Part 2

3.3 Grammar

1. Definite and Indefinite Articles (explanation with examples)
2. Exercise-Articles
3. Ways to End a Sentence (full stop, comma, exclamation)
4. Punctuating Salutations and Valedictions

3.4 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. Subject-Verb Agreement Part 1 (explanation with examples)
9. Subject-Verb Agreement Part 2 (explanation with examples)
10. Subject-Verb Agreement Part 3 (explanation with examples)
11. Subject-Verb Agreement Part 4 (explanation with examples)
12. Subject-Verb Agreement Part 5 (explanation with examples)
13. Exercise-Subject Verb Agreement
14. Narrative Essay Sample-Part-1 (writing of essay)
15. Narrative Essay Sample-Part-2 (writing of essay)
16. Narrative Essay Sample-Part-3 (writing of essay)
17. Narrative Essay Sample-Part-4 (writing of essay)
18. A Sample Personal Narrative Essay (explanation/mind map/outline)

3.5 Oral Communication Skills

1. Dialogue between Librarian and Student (reading /explanation)

Chapter # 04 Night Poem

(19 Videos)

4.1 Vocabulary

1. Vocabulary (words/meanings/sentences) Part 4

4.2 Reading for Comprehension

1. Comprehension-Night Poem-Part 1
2. Comprehension-Night Poem-Part 2
3. Comprehension of a Poem Part 3
4. Use of Simile: Activity
5. Exercise-Summary Skills-1

4.3 Grammar

1. Pronouns (explanation with examples)
2. Possessive Pronouns (explanation with examples)
3. Prepositions of Time
4. Present Continuous Tense (Uses & Formation)
5. Present Continuous Tense (Table) (explanation with examples)
6. Pair of Words (Commonly Confused Words) Part 1
7. Pair of Words (Commonly Confused Words) Part 2

4.4 Writing Skills

1. Picture Description of a Park (look and describe)
2. More on Picture Description of a Park
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. Dialogue between Maheen and Nida(explanation/reading practice)

Chapter # 05 Traveling Etiquettes

(20 Videos)

5.1 Vocabulary

1. Vocabulary (words/meanings/sentences) Part 5

5.2 Reading for Comprehension

1. Comprehension-Travelling Etiquettes (Part 1)
2. Comprehension-Travelling Etiquettes (Part 2)
3. Road Safety

4. Sign Boards (Zebra Crossing/U-turn etc)

5.3 Grammar

1. Kinds of Pronouns (reflexive/indefinite)(explanation)
2. Prepositions (explanation with examples)
3. Prepositions of Place
4. Prepositions of Movement or Direction
5. Kinds of Adverbs (explanation with examples)
6. More on Kinds of Adverbs
7. Minimal Pairs Part 1

5.4 Writing Skills

1. Narrative Essay Sample-Part-1 (writing of essay)
2. Narrative Essay Sample-Part-2 (writing of essay)
3. Narrative Essay Sample-Part-3 (writing of essay)
4. Narrative Essay Sample-Part-4 (writing of essay)
5. Summary Writing Intro and Steps (explanation with examples)

5.5 Oral Communication Skills

1. My School-Dialogue(reading /explanation/activities)
2. My School
3. Names of Places in School (guess/write)

Chapter # 06 Tests and Exams

(21 Videos)

6.1 Vocabulary

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

6.2 Reading for Comprehension

1. Comprehension-Tests and Exams-Part 1
2. Comprehension-Tests and Exams-Part 2

6.3 Grammar

1. Modal Verbs (explanation with examples)
2. More on Modal Verbs
3. Exercise-Modal Verbs
4. Use of 'Can' and 'May'
5. Use of 'Should' and 'Must'
6. Use of 'Could' 'Might' and 'Would'
7. Use of Must & Must Not
8. Various Forms of Verbs (Practice)
9. Contractions (it is/it's, I am/I'm etc.)(explanation/activities)
10. Colons with Series of Items (Rule 1-3)
11. Colons with Vertical Lists and Series of Items (Rule 4-5)

6.4 Writing Skills

1. Changing Statements into Negatives and Interrogatives
2. Transitional Devices (explanation/fill blanks)
3. More on Transitional Devices
4. Exercise Transitional Devices
5. A Sample Personal Narrative Essay (explanation/mind map/outline)

6.5 Oral Communication Skills

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

Chapter # 07 Sports and Sportsmanship

(19 Videos)

7.1 Vocabulary

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

7.2 Reading for Comprehension

1. Comprehension-Sports and Sportsmanship-Part 1
2. Comprehension-Sports and Sportsmanship-Part 2

7.3 Grammar

1. Collective Nouns (explanation with examples)
2. Pronoun Antecedent Agreement
3. Pronoun Antecedent Agreement (Activity)
4. Pronoun and Referent
5. Future Simple Tense (Uses & Formation)(explanation with examples)
6. Future Simple Tense (Table) (explanation with examples)
7. Letter Blends (vowel-consonant-vowel)-rate etc
8. More on Letter Blends (vowel-consonant-vowel)-cage etc
9. Letter Blends (consonant-vowel-vowel)-bees etc
10. More on Letter Blends (consonant-vowel-vowel)-seat etc
11. Affect of letter "e" on Sounds of other Letters in a Word Part 1
12. Affect of letter "e" on Sounds of other Letters in a Word Part 2

7.4 Writing Skills

1. Changing Statements into Negatives and Interrogatives
2. Playing Games-Passage (reading /explanation/activities)
3. More on Playing Games

7.5 Oral Communication Skills

1. My Family-Monologue(reading /explanation/activities)

Chapter # 08 The Rainbow Poem

(11 Videos)

8.1 Vocabulary

1. Vocabulary (words/meanings/sentences) Part 8

8.2 Reading for Comprehension

1. Comprehension of a Poem Part 1

8.3 Grammar

1. Prepositions (explanation with examples)
2. Transitional Devices (explanation/fill blanks)
3. More on Transitional Devices
4. Exercise Transitional Devices

8.4 Writing Skills

1. Exercise-Summary Skills-1
2. Mind Map (developing of a mind map)
3. Paragraph Writing Intro-Outline (explanation with examples)

8.5 Oral Communication Skills

1. In the Market-Dialogue(reading /explanation/activities)
2. More on In the Market

Chapter # 09 Seasons of the Year

(24 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-Seasons of the Year-Part 1
2. Comprehension-Seasons of the Year-Part 2

9.3 Grammar

1. Adjectives (explanation with examples)
2. Kinds of Adjectives (explanation with examples)
3. Exercise-Kinds of Adjectives
4. Order of Adjectives (explanation with examples)
5. Exercise-Order of Adjectives
6. Degrees of Comparison (explanation with examples)
7. Exercise-Degrees of comparison
8. Absolute Adjectives
9. Possessive Adjectives
10. Regular Adjectives

11. Irregular Adjectives
12. Letter Blends (vowel-consonant-vowel)-rate etc
13. More on Letter Blends (vowel-consonant-vowel)-cage etc
14. Letter Blends (consonant-vowel-vowel)-bees etc
15. More on Letter Blends (consonant-vowel-vowel)-seat etc

9.4 Writing Skills

1. How to Develop a Mind Map (filling a mind map/explanation)
2. Summary Writing Intro and Steps (explanation with examples)

9.5 Oral Communication Skills

1. Honesty-Dialogue(reading /explanation/activities)

Chapter # 10 Modern Inventions

(18 Videos)

10.1 Vocabulary

1. Words/Synonyms Part 1

10.2 Reading for Comprehension

1. Comprehension-Modern Inventions-Part 1
2. Comprehension-Modern Inventions-Part 2

10.3 Grammar

1. Past Continuous Tense(Uses & Formation)
2. Past Continuous Tense (Table)(explanation with examples)
3. Sentence and Order of its Parts
4. Identify a Sentence (explanation/activities)
5. Sentence Analysis (subject, verb, object etc. all combined)
6. Transitive Verb (explanation with examples)
7. Intransitive Verb (explanation with examples)
8. Letter Blends (vowel-consonant-vowel)-rate etc
9. More on Letter Blends (vowel-consonant-vowel)-cage etc
10. Letter Blends (consonant-vowel-vowel)-bees etc
11. More on Letter Blends (consonant-vowel-vowel)-seat etc

10.4 Writing Skills

1. We Speak, We Read, We Write (how we use phone, book etc)
2. More on We Speak, We Read, etc
3. Learning from T.V-Passage (reading /explanation/activities)

10.5 Oral Communication Skills

1. Listen Read and Act-Dialogue(reading /explanation/activities)

Chapter # 11 Zoo Hospital

(17 Videos)

11.1 Vocabulary

1. Words/Synonyms Part 2

11.2 Reading for Comprehension

1. Comprehension-Zoo Hospital-Part 1
2. Comprehension-Zoo Hospital-Part 2

11.3 Grammar

1. Transitive Verb (explanation with examples)
2. Intransitive Verb (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
9. Pronunciation: Silent letters in Words (with focus on silent and roll)
10. Pronunciation: Silent letters in Words (with focus on "lk", "wr", "kn")

11.4 Writing Skills

1. Writing a Paragraph with the help of a Mind Map part 1
2. Writing a Paragraph with the help of a Mind Map part 2

11.5 Oral Communication Skills

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

Chapter # 12 Drugs are Dangerous

(14 Videos)

12.1 Vocabulary

1. Words/Synonyms Part 3
2. Words/Antonyms Part 1

12.2 Reading for Comprehension

1. Comprehension-Drugs are Dangerous-Part 1
2. Comprehension-Drugs are Dangerous-Part 2

12.3 Grammar

1. Phrase (explanation with examples)
2. Independent/Dependent Clauses (explanation with examples)
3. Exercise-Independent & Dependent Clause
4. Exercise-Comma Clause
5. Conditionals-Type 1 (explanation with examples)

12.4 Writing Skills

1. Cause and Effect Essay Sample (writing of essay)

2. More on Cause and Effect Essay Sample (writing of essay)
3. A Sample Cause and Effect Essay (mind map/outline/writing)
4. More on A Cause and Effect Essay
5. Asking for Permission (May I etc.)

12.5 Oral Communication Skills

1. Asking for Permission (May I etc.)

Chapter # 13 A Happy Prince

(20 Videos)

13.1 Vocabulary

1. Words/Synonyms Part 4

13.2 Reading for Comprehension

1. Comprehension-A Happy Prince-Part 1
2. Comprehension-A Happy Prince-Part 2

13.3 Grammar

1. Subject-Verb Agreement Part 4 (explanation with examples)
2. Subject-Verb Agreement Part 5 (explanation with examples)
3. Exercise-Subject Verb Agreement
4. Compound Nouns (explanation with examples)
5. Direct/Indirect Narration (explanation/change form)
6. Direct/Indirect Narration Tense-1 (explanation/change form)
7. Direct/Indirect Narration Tense-2
8. Direct/Indirect Narration Tense-4

13.4 Writing Skills

1. Character Sketch(explanation/steps to follow)
2. Writing Information About Your Favourite Personality/ Biography
3. Elements of a Story Part 1
4. Elements of a Story Part 2
5. Writing a Personal Narrative
6. Writing Your Own Fable

13.5 Oral Communication Skills

1. Permission and Command (May I/Do this/Do that)

13.6 Library Skills

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

Class-06 (Mathematics)

(Total Videos # 233)

Chapter # 01 Sets (19 Videos)

1.1 Sets

1. **Set Definition**
2. **Problem-Introduction to Set**
3. **Problem-Set Notations**
4. **Set Notation & its Characteristics**
5. **Problem-Notation for Denoting a Member of a Set**
6. **Some Important Sets of Numbers**
7. **Problem-Some Important Sets**
8. **Describing a Set**
9. **Problem-Describing a Set**
10. **Introduction to Venn Diagram**
11. **Problem-Introduction to Venn Diagram**
12. **Problem-Representing Sets Through Venn Diagrams**
13. **Types of Sets**
14. **Problem-Types of Sets**
15. **Empty Set-Null Set-Void Set**
16. **Problem-Empty Set-Null Set-Void Set**
17. **Singleton Set**
18. **Problem-Singleton Set**
19. **Universal Set**

Chapter # 02 Integers (37 Videos)

2.1 Integers

1. **Positive, Negative and Natural Integers or Directed Numbers**
2. **Problem-Positive, Negative and Natural Integers or Directed Numbers**

2.2 Ordering of Integers

1. **Positive, Negative and Natural Integers or Directed Numbers**
2. **Ordering of Integers or Directed Numbers**
3. **Problem-Ordering of Integers or Directed Numbers**
4. **Apply integers to solve real life situations**

2.3 Absolute or Numerical Value of an Integ

1. Absolute or Numerical Value of an Integers or Directed Numbers
2. Prob-Absolute or Numerical Value of an Integers or Directed Numbers
3. Ordering of the absolute values of integers

2.4 Addition of Integers

1. Sum of Two or More Given Integers or Directed Numbers
2. Problem-Sum of Two or More Given Integers or Directed Numbers
3. Sum of Two Integers or Directed Numbers With Unlike Signs
4. Problem-Sum of Two Integers or Directed Numbers With Unlike Signs
5. Sum of Two Integers or Directed Numbers With like Signs
6. Rule of Sum of Two Integers With like Signs
7. Prob-Rule of Sum of Two Integers With like Signs
8. Rule of Sum of Two Integers With Unlike Signs
9. Prob-Rule of Sum of Two Integers With Unlike Signs
10. Commutative and associative law of addition for integers
11. Additive identity and additive inverse

2.5 Subtraction of integers

1. Difference of Two Given Positive Integers or Directed Numbers
2. Prob-Difference of Two Given Positive Integers or Directed Numbers

2.6 Multiplication of integers

1. Multiplication of Integers or Directed Numbers With Like Signs
2. Prob-Multiplication of Integers or Directed Numbers With Like Signs
3. Multiplication of Integers or Directed Numbers With Unlike Signs
4. Prob-Multiplication of Integers or Directed Numbers With Unlike Signs
5. Commutative and associative law of multiplication for integers
6. Multiplicative identity and multiplicative inverse
7. Distributive law of multiplication over addition and subtraction

2.7 Division of integers

1. Division of Integers or Directed Numbers with Like Signs
2. Problem-Division of Integers or Directed Numbers with Like Signs
3. Division of Integers or Directed Numbers with Unlike Signs
4. Problem-Division of Integers or Directed Numbers with Unlike Signs
5. Division of an Integers or Directed Numbers by 0 is Not Possible
6. Problem-Division of an Integers or Directed Numbers by 0 is Not Possi

2.8 Simplification

1. Recognize BODMAS Rule
2. Simplifying Expressions Involving Integers or Directed Numbers

Chapter # 03 Factors and Multiples

(43 Videos)

3.1 Factors and Multiples

1. Problem-Concept of Factors
2. Factors and Multiples
3. Problem-Concept of Multiples

3.2 Divisibility Tests

1. Tests of Divisibility of Number Divisible by 2,3
2. Problem-Tests of Divisibility of Number Divisible by 2,3
3. Problem-Tests of Divisibility of Number Divisible by 4,5
4. Tests of Divisibility of Number Divisible by 4,5
5. Test of Divisibility of Number Divisible by 6
6. Problem-Test of Divisibility of Number Divisible by 6
7. Tests of Divisibility of Number Divisible by 8,9
8. Problem-Tests of Divisibility of Number Divisible by 8,9
9. Problem-Tests of Divisibility of Number Divisible by 10,11
10. Tests of Divisibility of Number Divisible by 10,11

3.3 Factorization

1. Factorization
2. Problem-Factorization
3. Prime Factorisation
4. Problem-Prime Factorization
5. Index Notation
6. Problem-Index Notation
7. Factorization by Tree Method
8. Problem-Factorization by Tree Method
9. Factorization by Division Method
10. Problem-Factorization by Division Method

3.4 Highest Common Factor (HCF)

1. Highest Common Factors (HCF)
2. Problem-Highest Common Factors (HCF)
3. Find HCF of Three Numbers, Up to 2-Digits
4. Problem-Find HCF of Three Numbers, Up to 2-Digits
5. Finding HCF By Prime Factorization Method
6. Problem-Finding HCF By Prime Factorization Method
7. Finding HCF By Using Division Method
8. Problem-Finding HCF By Using Division Method

3.5 Least Common Multiple (LCM)

1. Least Common Multiple (LCM)
2. Problem-Least Common Multiple (LCM)
3. Find LCM of Four Numbers Up to 2-Digits
4. Problem-Find LCM of Four Numbers Up to 2-Digits

5. LCM by Prime Factorization Method
6. Problem-LCM by Prime Factorization Method
7. LCM by Short Division Method
8. Problem-LCM by Short Division Method

3.6 Application of HCF and LCM

1. Relation Between HCF and LCM of Two Numbers
2. Problem-Relation Between HCF and LCM of Two Numbers
3. Solve the Real Life Problems Involving HCF and LCM
4. Problem-Solve the Real Life Problems Involving HCF and LCM

Chapter # 04 Ratio and Rate (14 Videos)

4.1 Ratio

1. Introducing Ratio
2. Problem-Concept of Ratio
3. Antecedent and Consequent
4. Problem-Antecedent and Consequent
5. Reduced Form of a Ratio
6. Problem-Reduced Form of a Ratio
7. Equivalent Ratios
8. Problem-Equivalent Ratios
9. Relation Between Ratio and Fraction
10. Problem-Relation Between Ratio and Fraction
11. Concept of Continued Ratio
12. Problem-Concept of Continued Ratio

4.2 Rate

1. Rate
2. Problem-Concept of Rate

Chapter # 05 Financial Mathematics (06 Videos)

5.1 Percentage

1. Concept of Percentage
2. Problem-Concept of Percentage
3. Comparing Two Quantities by Percentages
4. Increasing or Decreasing a Quantity by a given Percentage
5. Problem on Percentage by Using Unitary Method
6. Problem on Percentage by Using Proportion

Chapter # 06 Introduction to Algebra (27 Videos)

6.1 Algebraic Expression

1. Introduction to Algebra
2. Problem-Introduction to Algebra
3. Concept of Sentence
4. Problem-Concept of Sentence
5. Concept of Statement
6. Problem-Concept of Statement
7. Concepts of Constant and Variables / Literals
8. Problem-Concepts of Constant and Variables / Literals
9. Power or Exponent or Indices of Literal Number
10. Problem-Power or Exponent or Indices of Literal Number
11. Introduction to Algebraic Expressions
12. Problem-Introduction to Algebraic Expressions
13. Evaluation of Algebraic Expressions
14. Problem-Evaluation of Algebraic Expressions

6.2 Algebraic Sentence

1. Algebraic Sentences
2. Concept of Statement
3. Problem-Concept of Statement
4. Row-Wise Addition of Algebraic Expressions
5. Problem-Row-Wise Addition of Algebraic Expressions
6. Column-Wise Addition of Algebraic Expressions
7. Problem-Column-Wise Addition of Algebraic Expressions
8. Row-Wise Subtraction of Algebraic Expressions
9. Problem-Row-Wise Subtraction of Algebraic Expressions
10. Column-Wise Subtraction of Algebraic Expressions
11. Problem-Column-Wise Subtraction of Algebraic Expressions
12. Simplification of Algebraic Expressions
13. Problem-Simplification of Algebraic Expressions

Chapter # 07 Linear Equations

(16 Videos)

7.1 Linear Equations in one variable

1. Introduction to Linear Equations
2. Problem-Introduction to Linear Equations
3. Formation of Linear Expressions and Equations
4. Problem-Formation of Linear Expressions and Equations
5. Solution of a Linear Equations
6. Problem-Solution of a Linear Equations
7. Solving Linear Equation Involving Fractional Coefficients
8. Problem-Solving Linear Equation Involving Fractional Coefficients
9. Solving Linear Equation Involving Decimal Coefficients
10. Solving Fractional Linear Equations
11. Problem-Solving Fractional Linear Equations
12. Solving Linear Equation by Collecting Like Terms
13. Solving Linear Equation by Using Distributive Law
14. Solving Linear Equation by Clearing the Large Co-efficient
15. Word Problem-1 of Linear Equation
16. Word Problem-2 of Linear Equation

Chapter # 08 Geometry (12 Videos)

8.1 Parallel and Perpendicular Lines

1. Concept of Parallel Lines
2. Problem- Finding Angles Formed by a Transversal

8.2 Angles

1. Kinds of an Angle
2. Concept of Adjacent Angles
3. Concept of Complementary Angles
4. Concept of Supplementary Angles
5. Concept of Corresponding Angles
6. Concept of Alternate Interior Angles
7. Vertically Opposite Angles
8. Finding Unknown Angles Involving Adjacent Angles
9. Finding Unknown Angles Involving complementary Angles
10. Finding Unknown Angles Involving Supplementary Angles
11. Finding Unknown Angles Involving Vertically Opposite Angles
12. Finding Unknown Angle of a Triangle

Chapter # 09 Practical Geometry

(12 Videos)

9.1 Construction of line

1. How to Draw a Line Segment
2. Right Bisector of Line Segment & Angle
3. Drawing of a Perpendicular to a Given Line From a Point on it
4. Drawing of a Perpendicular to a Given Line, From a Point Outside

9.2 Construction of angles

1. Construction of an Angle of 60 Degree
2. Construction of an Angle of 30 Degree
3. To Construct a Right Angle with the Help of Protractor
4. onstruction of an Angle of 45 Degree
5. Construction of an Angle of 75 Degree
6. Construction of an Angle of 105 Degree
7. Construction of an Angle of 120 Degree
8. Bisection of an Angle

Chapter # 10 Mensuration (17 Videos)

10.1 Perimeter and Area

1. Border Area of a Rectangle or Square
2. Word Problem of Border Area of a Rectangle
3. Formula for Perimeter of a Square & Rectangle
4. Formula for Area of a Square & Rectangle
5. Area of a Parallelogram
6. Word Problem of Area of a Parallelogram
7. Area of a Triangle
8. Word Problem of Area of a Triangle
9. Area of a Trapezium
10. Word Problem of Area of a Trapezium

10.2 Volume and Surface Area of Cubes and Cu

1. Shapes of Three Dimensional Solids
2. Concept of Cube and Cuboid
3. Surface Area of Cubes
4. Volume of Cubes
5. Surface Area of Cuboids
6. Volume of Cuboids
7. Real life problems related to volume

Chapter # 11 Transformations

(01 Video)

11.1 Reflection

1. Reflection of objects and Line of Reflection

Chapter # 12 Data Handling

(22 Videos)

12.1 Types of Data

1. Introduction to Information Handling
2. Data and its Types
3. Problem-Data and its Types
4. Collection and Presentation of Data
5. Problem on Data, Collection of Data, Presentation of Data
6. Classification of a Data
7. Problem-Classification of a Data
8. Discrete data and continuous data
9. A.M of Ungrouped Data by Direct Method
10. Problem on A.M of Ungrouped Data by Direct Method
11. Mode for Ungrouped Discrete Data
12. Problem on Mode for Ungrouped Discrete Data

12.2 Multiple bar graph

1. Reading bar graph
2. Draw Block or Column Graphs
3. Block Graph
4. Problem-Vertical Bar Graph
5. Horizontal Bar Graph
6. Word Problem of Bar Graph-p1
7. Word Problem of Bar Graph-p2
8. Horizontal and vertical multiple bar graphs

12.3 Pie chart

1. Introduction to Pie Graph
2. Word Problem of Pie Graph

Chapter # 13 Probability

(05 Videos)

13.1 Probability

1. Equally likely outcomes
2. Introduction to probability
3. Probability of Equally likely outcomes
4. Word problem on probability
5. Application of Probability

Class-06 (Computer Science)

(Total Videos # 59)

Chapter # 01 Introduction to Computer (26 Videos)

1.1 What is a Computer

1. What is Computer
2. More on Computer
3. Difference between Data and Information
4. Capabilities of Computer

1.2 Components of a Computer

1. What is Computer Hardware
2. What is Software
3. More on Software
4. Hardware vs Software
5. I/O Hardware : Input Output Devices
6. Keyboard
7. mouse
8. Scanners and Its types
9. digital camera
10. microphone
11. A System Unit : Desktop and Tower Casing
12. Mother board
13. Microprocessor
14. Computer Memory : Why it is necessary for Computer
15. How to find Memory Size and Processor Speed
16. Storage Hardware : Memory
17. Monitors
18. Printers and Its types
19. Speakers
20. Networking Hardware
21. Dial-Up Modem

1.3 How a Computer Works

1. Dial-Up Modem

Chapter # 02 Introduction to Windows (11 Videos)

2.1 Stepping into Windows

1. The Desktop , ICONS, BUTTONS
2. Familiarization with Windows icons

2.2 Working with windows

1. Taskbar and Start Button
2. Run Command in Windows 10
3. Control Buttons
4. Menu Bar

2.3 Managing files and folders

1. Rules for Files and Folders Name
2. Renaming Files and Folders
3. Deleting Files
4. Cut, Copy and Paste File
5. Managing files and folders in Windows 10

Chapter # 03 Commonly Used Software (15 Videos)

3.1 Working with Paint

1. Working with Microsoft Paint 2D
2. More on working with Microsoft Paint 2D

3.2 Using a Typing Tutor

1. Using Typing Tutor and Typing Test

3.3 Working with Word

1. What is Word Processing
2. Word Window overview
3. Manage a word document
4. Editing text: Inserting and selecting
5. Editing text: Cut, Copy, paste and delete
6. Text Formatting: Font size, style and color
7. Text Formatting: Modify text and text case
8. Paragraph Formatting: Alignment and indent

9. Spell checking and thesauras in MS word
10. Saving a Word Document
11. printing the document

3.4 Using Media Player

1. Working with Windows Media Player

Chapter # 04 The Internet and World Wide Web (07 Videos)

4.1 Introduction to Internet

1. What is Internet
2. Applications of Internet
3. Means of connecting Internet

4.2 The World Wide Web

1. WWW : World Wide Web
2. Search Engine
3. Terminologies related to Internet
4. More on Terminologies

Class-06 (General Science)

(Total Videos # 183)

Chapter # 01

Cellular Organization of Plants and Anim (24 Videos)

1.1 Cells

5. Cell
6. Shape and Size of Cells

1.2 Microscope

1. Microscope
2. Parts and Use of Microscope

1.3 Animal Cell and Plant Cell

1. Structure of An Animal Cell
2. Structure of A Plant Cell
3. Cell organelles
4. Nucleus

1.4 Difference between Animal Cell and Plan

1. Difference Between Plant and Animal Cell

1.5 Unicellular and Multicellular Organisms

1. Unicellular and Multicellular Organisms
2. Unicellular and Multicellular Organisms

1.6 Cells form Tissues

1. Cells form Tissues
2. Cells form Tissues (Plants)

1.7 Tissues form organ

1. What Are Organs?
2. Major Human Organs

1.8 Organs form organ systems

1. What Is A System?
2. Systems of A Plant

1.9 Major Human Organ Systems

1. Digestive system of Human
2. Respiratory System

3. Excretory system
4. Blood Circulatory System
5. Nervous system of Human

1.10 Levels of organization

1. Levels of Organization In Plants
2. Levels of Organization In Animals

Chapter # 02

Sense organs

(09 Videos)

2.1 Introduction

1. Senses

2.2 The Eye

1. The Structure of Eye
2. How Do We See?

2.3 The Ear

1. The Structure of Ear
2. How Do We Hear?

2.4 The Skin

1. The skin
2. Functions of Skin

2.5 The Nose

1. The Nose

2.6 The Tongue

1. The Structure and Function of Tongue

Chapter # 03

Photosynthesis and respiration in plants

(11 Videos)

3.1 Internal Structure of Leaf

1. Structure of Leaf
2. Structure of Leaf and Photosynthesis

3.2 Photosynthesis

1. Photosynthesis
2. Photosynthesis

3.3 Importance of photosynthesis

1. Importance of Photosynthesis

3.4 Factors Affecting Photosynthesis

1. Factors Affecting Photosynthesis
2. Water and Stomata

3.5 Structure of Leaf is well suited for Ph

1. Structure of Leaf Is Well Suited For Photosynthesis

3.6 Respiration in Plants

1. Respiration in Plants
2. Importance of Respiration

3.7 Comparison of Photosynthesis and Respiration

1. Comparison of Photosynthesis and Respiration

Chapter # 04

Environment And Interactions

(12 Videos)

4.1 Environment

1. Environment

4.2 Biotic components

1. Biotic components of an Environment

4.3 Dependence of organisms upon one another

1. Dependence of organisms upon one another

4.4 Abiotic Components

1. Abiotic components of an Environment
2. Light
3. Temperature
4. Air
5. Soil
6. Water

4.5 Relationship Among Organisms

1. Predation
2. Parasitism
3. Mutualism

Chapter # 05

Atoms, Molecules, Mixtures and Compounds

(17 Videos)

5.1 Atoms and Molecules

1. Atoms and Molecules

5.2 Elements

1. Element - The Simplest Matter

5.3 Some Common Elements and Their Symbols

1. Element - The Simplest Matter

5.4 Classification of Elements

1. Classification of Elements

5.5 Uses of Some Common Elements

1. Properties of Metals
2. Uses of Metals
3. Properties of Non-Metals
4. Uses of Non-Metals

5.6 Compounds And Mixtures

1. Compounds
2. Mixture

5.7 Uses of Compounds And Mixtures

1. Uses of Compounds
2. Uses of Mixtures

5.8 Air As a Mixture of Gases

1. Air As a Mixture

5.9 Separating Mixtures

1. Filtration
2. Sublimation
3. Distillation
4. Paper Chromatography

Chapter # 06

Air

(12 Videos)

6.1 Air and its Importance

1. Air
2. Importance of Air

6.2 Composition of air

1. Composition of Air

6.3 Properties and Uses of Gases in the Air

1. Properties of Nitrogen
2. Uses of Nitrogen
3. Properties of Oxygen
4. Uses of Oxygen
5. Physical Properties of Carbon dioxide
6. Uses of Carbon dioxide
7. Noble Gases
8. Uses of noble gases
9. Water Vapours and Dust Particles

Chapter # 07

Solutions And Suspensions

(13 Videos)

7.1 Solution and its Components

1. Solution And Its Components
2. Types of Solution

7.2 Aqueous Solution

1. Aqueous, Dilute And Concentrated Solution

- 7.3 Particle Model of Solutions**
 - 1. Particle Model of Solutions
- 7.4 Water as a Universal Solvent**
 - 1. Water As a Universal Solvent
- 7.5 Dilute and Concentrated Solution**
 - 1. Aqueous, Dilute And Concentrated Solution
- 7.6 Saturated and Unsaturated Solution**
 - 1. Saturated And Unsaturated Solution
- 7.7 Solubility And Effect of Temperature on Solubility**
 - 1. Solubility
 - 2. Effect of Temperature On Solubility
- 7.8 Some Uses of Solutions**
 - 1. Uses of Solutions
- 7.9 Suspensions and Their Uses**
 - 1. Suspensions
 - 2. Uses of Suspensions
 - 3. Difference Between Solutions And Suspensions

Chapter # 08

Energy and Its Forms

(24 Videos)

- 8.1 Energy**
 - 1. Energy
- 8.2 Forms of Energy**
 - 1. Forms of Energy
 - 2. Potential Energy
 - 3. Chemical Energy
 - 4. Mechanical Energy
 - 5. Nuclear and Gravitational Energy
 - 6. Kinetic Energy
 - 7. Heat Energy
 - 8. Light Energy
 - 9. Electrical Energy
 - 10. Sound Energy
- 8.3 Conversion of Different forms of energy**
 - 1. Conversion of Kinetic and Potential Energy

- 2. Conversion of Different Forms of energy
- 8.4 Conservation of Energy**
 - 1. Law of Conservation of Energy
- 8.5 Energy Converters**
 - 1. Energy Converters
- 8.6 Renewable Energy Resources**
 - 1. Renewable and Non-renewable Energy Resources
 - 2. Energy From Water
 - 3. Wind Energy
 - 4. Biomass
 - 5. Energy From Sun
 - 6. Solar Cells
 - 7. Tidal Energy
- 8.7 Energy in Our Life**
 - 1. Energy in Our Life
- 8.8 Energy Transfer in an Environment**
 - 1. Energy Transfer To The Environment

Chapter # 09

Forces and Machines

(14 Videos)

- 9.1 Introduction**
 - 1. Simple Machines
- 9.2 Wheel and Axle**
 - 1. Wheel and Axle
 - 2. Uses of Wheel and Axle
- 9.3 Pulley**
 - 1. Pulley
- 9.4 Types of Pulley**
 - 1. Fixed Pulley
 - 2. Moveable Pulley
 - 3. Pulley System
 - 4. Uses of Pulley
- 9.5 Gears**
 - 1. Gears
 - 2. Gear Train

9.6 Use of Gears in Daily Life

1. Uses of Gears in Our Daily Life
2. Hand Drill
3. Wind up Clocks
4. Bicycle

Chapter # 10

Properties of Light

(22 Videos)

10.1 Introduction

1. Light
2. Transparent , Translucent and Opaque Objects

10.2 Transmission, Absorption and Reflection

1. Transmission of Light
2. Absorption of Light

10.3 How reflection Occurs

1. Reflection of Light

10.4 Laws of Reflection

1. Laws of Reflection

10.5 Types of Reflecting Surfaces

1. Types of Reflecting Surfaces

10.6 Images Formed By a Plane Mirror

1. Images Formed By a Plane Mirror
2. Ray diagram for light reflecting from a plane mirror

10.7 Pinhole Camera

1. Pinhole Camera
2. Image Formation By Pinhole Camera
3. Comparison of Image Formed By Plane Mirror And Pinhole Camera

10.8 Pinhole Camera

1. Periscope
2. Reflecting Telescope
- 3.
4. Microscope

10.9 Multiple Reflections

1. Multiple reflections
2. Kaleidoscope

10.10 **Types of Mirrors**

1. Types of Mirrors
2. Usage of Concave Mirror
3. Usage of Convex Mirror
4. Image Formation In Convex Mirrors
5. Image Formation In Concave Mirrors

Chapter # 11

Investigating Sounds

(09 Videos)

11.1 **How does sound produce?**

1. Sound
2. How Is Sound Produced?

11.2 **Sound as a Form of Energy**

1. Sound As A Form of Energy

11.3 **How does Sound Travel?**

1. How Does Sound Travel?
2. Sound Waves Are Longitudinal Waves

11.4 **Speed of Sound in Different Materials**

1. Speed of Sound In Different Materials
2. Speed of Sound In Solids, Liquids And Gases

11.5 **How Does Human Ear Receive Sound?**

1. The Structure of Ear
2. How Do We Hear?

Chapter # 12

Space and Satellites

(16 Videos)

12.1 Satellites

1. Universe And Space
2. Satellites

12.2 Natural Satellites

1. Satellites
2. Comets
3. Halley's Comet
4. Meteoroid
5. Kinds of Meteors

12.3 Artificial Satellites

1. Artificial Satellites

12.4 Launching of a Satellite into the Space

1. Launching of A Satellite Into Space

12.5 Key Milestones in Space Technology

1. Key Milestones in Space Technology

12.6 Key Milestones in Space Technology

1. Examples of Artificial Satellite
2. Geostationary, Polar Satellite
3. Research And Landsat Satellites
4. Global Positioning System (GPS)
5. Communication Satellite
6. Low Earth Orbit Satellite

