Mathematics - Subject Course

Course Schedule:

Number System

Extra 1

externalvideo	Various Types of Numbers in Number System
externalvideo	Important Divisibility Rules from 1 to 13 - Tricks
externalvideo	Algebraic Formulas and Remainder Polynomial Theorem
externalvideo	Questions on how to Calculate Remainder
certification	Practice Questions on Remainder Theorem
externalvideo	Arithmetic & Geometric Sequence
externalvideo	Arranging Fractions - For Smallest Largest/ Ascending Descending
externalvideo	Questions Session on Smallest Largest Fraction
certification	Practice Questions on Finding Smallest/Largest Fraction
externalvideo	Operations based Questions - Division Multiplication Addition Subtraction
certification	Operations based Practice Questions - Division & Multiplication

certification	Operations based Practice Questions - Addition & Subtraction
externalvideo	Number System Questions based on Fractions of Numbers
certification	Practice Questions based on Fraction of Numbers
externalvideo	Problems on HCF and LCM - Formulas & Tricks
certification	Practice Questions - LCM and HCF based Problems
externalvideo	How to find the Unit Digit in different Scenarios - Tricks and Examples
certification	Practice Questions on Finding Unit Digit
externalvideo	Questions based on Sum of first n Even/Odd/Prime/Natural Numbers
certification	Practice Questions on Consecutive, Odd & Even Numbers
certification	Practice Questions on Natural & Prime Numbers
externalvideo	Number System Imp. Questions - Different Conditions Based

Number System - Practice Test and Quizzes

externalvideo	Number System Practice Test 1

externalvideo	Number System Practice Test 2	
externalvideo	Number System Practice Test 3	
certification	Practice Quiz 1 - Easy	
certification	Practice Quiz 2 - Moderate	
certification	Practice Quiz 3 - Advanced	
Square and Cube Root		
externalvideo	Square Tricks - Class 1	
Number System - Short Tricks and Revision		
externalvideo	Practice Session based on Basic Square Tricks Class 1	
externalvideo	Square Tricks - Class 2	
externalvideo	Practice Session on Tricks learned in Class 2	
externalvideo	Squaring Tricks - Class 3	
certification	Practice Questions on Angle of Elevation	
externalvideo	Practice Session - Applying Squaring Tricks of Class 3	
externalvideo	Methods of Prime Factorization - Division Method	

externalvideo	Square Root Short Tricks Class 1
externalvideo	Square Root Short Tricks Class 2 - Finding Square Root of Non Perfect Square
externalvideo	Square Root Tricks Class 3 - Finding Square Root of Decimal Numbers
externalvideo	Tricks to find Cube - Class 1
externalvideo	Tricks to find Cube - Class 2
externalvideo	Practice Questions on Finding Cube Root of Any Number
externalvideo	Square Root and Cube Root Questions - Root on Root
externalvideo	Finding Roots - Addition, Subtraction, Multiplication, Division
externalvideo	Square and Cube Root - Statement Based Questions
Square and Cube Root - Quizzes	
certification	Practice Quiz 1 - Easy level Questions
certification	Practice Quiz 2 - Moderate level Questions
certification	Practice Quiz 3 - Advanced level Questions
Simplification	

externalvideo	Simplification - Concept, Methods and Application
externalvideo	VBODMAS Rule - How it Works???
certification	Practice Questions on VBODMAS
externalvideo	Decimal Based Simplification
externalvideo	Recurring Decimal Based Simplification
externalvideo	Questions Session on Decimal
certification	Practice Questions on Decimal
externalvideo	Types of Fractions
externalvideo	Fractions Based Simplification
externalvideo	Ladder/Continued Fraction
externalvideo	Fraction Question Session 1
externalvideo	Fraction Question Session 2
certification	Practice Questions on Fraction
certification	Practice Questions on Ladder / Continued Fraction

externalvideo	Statement Based Questions Class 1
externalvideo	Statement Based Questions Class 2
certification	Practice Question - Statement Based Problems
Simplification - Practice Test & Quizzo	es
externalvideo	Simplification - Practice Test 1
externalvideo	Simplification - Practice Test 2
certification	Simplification Quiz - Easy Level
certification	Simplification Quiz - Moderate Level
certification	Simplification Quiz - Hard Level
Approximation	
externalvideo	Approximation Tricks Class 1
externalvideo	Approximation Tricks Class 2
Simplification - Short Tricks and Revision	
externalvideo	Rounding off Integers
certification	Practice Questions on Rounding Off Integers
externalvideo	Rounding off Decimals

Practice Questions on Rounding Off Decimals
Practice Questions - Applying Approximation on Square, Cubes Their roots, Surds, Indices
Approximation Mixed Questions
Approximation Quiz 1 - Easy Level Questions
Approximation Quiz 2 - Moderate Level Questions
Approximation Quiz 3 - Advanced Level Questions
What is LCM?
Practice Questions on LCM
Revision
What is HCF?
Practice Questions on HCF
Practice Questions on HCF HCF and LCM Important Rules - Class 1

externalvideo	HCF and LCM Important Rules - Class 3
externalvideo	HCF LCM and Numbers
externalvideo	Least or Greatest Number
externalvideo	HCF/LCM and Ratio of Numbers
certification	Practice Questions on HCF/LCM - Ratio of Numbers
externalvideo	Product and Sum based Questions
certification	Practice Questions on HCF/ LCM - Product/ Sum
externalvideo	Language based Questions on HCF and LCM
HCF and LCM - Practice Quizzes	
certification	Practice Quiz 1 - Easy
certification	Practice Quiz 2 - Moderate
certification	Practice Quiz 3 - Advanced
Surds and Indices	
externalvideo	Surds - Types and Rules
externalvideo	Practice Questions on Surds Rules

externalvideo	Indices and Its Rules
externalvideo	Simplification Based Surds Indices - Class 1
externalvideo	Simplification Based Surds Indices - Class 2
externalvideo	Simplification Based Surds Indices - Class 3
externalvideo	Addition, Subtraction and Division of Surds
externalvideo	Multiplication of Surds
externalvideo	Rationalising the Denominator
externalvideo	Increasing and Decreasing Order of Surds
externalvideo	Question Session on Surds and Indices
externalvideo	Surds Short Tricks
externalvideo	Question Session on Application of Tricks
Ratio and Proportion	
externalvideo	Concept and Types of Ratio
externalvideo	Concept of Proportion
externalvideo	Comparison between Ratios

Surds and Indices - Practice Quizz	es
externalvideo	Questions on Basic Concept
Surds and Indices - Tricks and Rev	/ision
externalvideo	Finding amount in Ratio
externalvideo	Amount in Ratio Practice Session
externalvideo	Percentage and Ratio
externalvideo	Percentage and Ratio Practice Session
externalvideo	Effect of Quantity Change
externalvideo	Effect of Quantity Change Practice Session
externalvideo	Mixture and Alligation in Ratio
externalvideo	Mixture and Alligation in ratio Practice Session
externalvideo	Income and Expenditure
externalvideo	Coins in Ratio
externalvideo	Income Expenditure and Coins Practice Session
externalvideo	Ages in Ratio

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externalvideo	Important Mixed Questions Session
Mixture and Alligation	
externalvideo	Mixture and Alligation Concepts
externalvideo	Concept of Same Quantity with Different Prices
externalvideo	Concept of Combining two things to get a Mixture
externalvideo	Different Cost Prices Conditions
externalvideo	Percentage related Questions
Ratio and Proportion - Practice	Quizzes
externalvideo	Finding New Ratio
externalvideo	Important Mixed Questions on Mixture and Alligation
Mixture and Alligation - Practic	e Quizzes
certification	Practice Questions on Repetition of Activity
certification	Practice Questions on Finding Price & Quantity
certification	Practice Questions on Finding Ratio
certification	Mixture and Alligation Practice Quiz 1 - Easy

certification	Mixture and Alligation Practice Quiz 2 - Moderate
certification	Mixture and Alligation Practice Quiz 3 - Advanced
Percentage	
externalvideo	Changing Percentage to Fraction
externalvideo	Percentage Change Method
externalvideo	Increase/Decrease in Fractions
externalvideo	Calculating Percentage Distribution and Net Effect
certification	Practice Questions on Percentage Distribution
externalvideo	Calculating Successive Increase/Decrease
Mixture and Alligation - Tricks an	d Revision
certification	Practice Questions on Successive Increase/Decrease
externalvideo	Elections based Questions
certification	Practice Questions on Elections
externalvideo	Calculating Income and Expenditure
externalvideo	Calculating Ratio in Percentage

certification	Practice Questions on Ratio in Percentage
externalvideo	Calculating Venn Diagram in Percentage
externalvideo	Commission based Questions
externalvideo	Number System with Percentage
externalvideo	Important Mixed Questions on Percentage
Percentage - Practice Quizzes	
certification	Practice Quiz 1- Easy level Questions
certification	Practice Quiz 2 - Moderate level Questions
certification	Practice Quiz 3 - Advanced level Questions
Profit and Loss	
externalvideo	Profit and Loss - Basic Concepts, Terms and Formulae (?????
externalvideo	Profit Loss % - Concept & Application (???? ???????????)
externalvideo	Calculating Selling Price and Cost Price (2272727 27727 27 27727 2
externalvideo	Overall Profit or Loss Percentage

externalvideo	Overall Profit or Loss Percentage - Advanced Level
certification	Practice Questions on Profit and Loss %
externalvideo	Comparison of SP & CP (??????? ?? ????? ?????? ?? ?????)
Percentage - Tricks and Revision	
externalvideo	Calculate New Selling Price at Different Conditions(???
certification	Practice Questions on Calculate New SP after changing Conditions
externalvideo	Calculating Cost Price (????? ?????? ?? ?????)
externalvideo	Calculate Cost Price after multiple Purchase and Sale
certification	Practice Questions on Calculate CP/SP
externalvideo	Important special Questions on Profit and Loss
externalvideo	Successive and Single Discount - (??????? ????)
certification	Practice Questions based on Successive/ Single Discount
externalvideo	Dishonest Dealer - Concept, Questions (??????? ???????)
certification	Practice Questions on Dishonest Dealers

Profit and Loss - Practice Quizzes

certification	Profit and Loss Quiz 1 - Easy Level Questions
certification	Profit and Loss Quiz 2 - Moderate Level Questions
certification	Profit and Loss Quiz 3 - Advance Level Questions
Average	
externalvideo	Average - Concept, Formula & Examples
externalvideo	Direct Formula based Question Session
certification	Practice Questions based on Direct Formula
externalvideo	Average of Consecutive/Odd/Even Nos Middle Number Concept
externalvideo	Question Session based on Average of Cons/Odd/Even Numbers
certification	Practice Questions on Average of Consecutive Numbers
certification	Practice Questions on Average of Odd/Even/Natural Numbers
externalvideo	Calculating Average of First 'n' Odd/Even/Natural Numbers

Profit and Loss - Tricks and Revision

externalvideo	Finding Average of Series of Squares, Cubes and Multiples of Numbers
externalvideo	Calc. New Average of Numbers after Different Mathematical Operations
externalvideo	Multiple Averages of Different Groups
certification	Practice Questions based on Multiple Groups Averages
externalvideo	Finding New Average after Inclusion/Exclusion from a Group
certification	Practice Questions on Average after Inclusion/Exclusion
externalvideo	Calculating Bowling / Batting Average
certification	Practice Questions based on Bowl/Bat Average
certification	Practice Questions on New Average after Correction
externalvideo	Miscellaneous Questions
Average Practice Quizzes	
certification	Practice Quiz 1 - Easy
certification	Practice Quiz 2 - Moderate
certification	Practice Quiz 3 - Advanced

Simple and Compound Interest

externalvideo

Simple and Compound interest	
externalvideo	Concept and Rules Part 1
externalvideo	Concept and Rules Part 2
externalvideo	Simple Interest Basic Formula
externalvideo	Different Rates in Simple interest
externalvideo	Calculating SI when Rate Changes every Year
externalvideo	Money Invested in Parts with Different Rates and Time Period
externalvideo	Conditions when Rate and Time are Equal
externalvideo	SI Mixed Questions
certification	SI Practice Questions - When Rate/Principal/Time is asked
Average - Important Short Trick	s and Revision
certification	SI Practice Questions - Amount Divided Partly and Comparison between Simple Interest
certification	SI Practice Questions based on Other Conditions

CI Basic Formula

externalvideo	Difference Between CI and SI
externalvideo	Installments based Problems
externalvideo	CI Rate Half Yearly/Quarterly/Bimonthly/Monthly
externalvideo	CI Mixed Questions
externalvideo	Important Question Session
certification	CI Practice Questions - When Rate/Time/Principal is asked
certification	CI Practice Questions based on Installment & Other Conditions
certification	Practice Questions on Combination of SI and CI
Simple and Compound Interest - Pra	actice Quizzes
certification	Practice Quiz 1 - Easy Level
certification	Practice Quiz 2 - Moderate Level
certification	Practice Quiz 3 - Advanced Level
Time and Work	
externalvideo	Concept and Tricks
externalvideo	Different Conditions of Work Completion - Class 1

Work Done Comparison
Different Conditions of Work Completion - Class 2
Person Leaving Work in between
Amount and Share
Comparison of Efficiency
Alternate Day Replaced Working
And-Or based Questions
Concept and Rules
Calculating Time with no Empty Pipe
Practice Questions on Calculating Time with no Empty Pipe
Calculating Time with Empty Pipe
Practice Questions on Calculating Time with Empty Pipe

certification	Practice Questions on Calculating Capacity
externalvideo	Pipes with Different Efficiency
certification	Practice Questions on Pipes with Different Efficiency
externalvideo	Calculating Time in Different Conditions
Time and Work - Practice Quizzes	
certification	Practice Questions on Calculating Time in Different Conditions
Pipe and Cistern - Practice Quizze	S
certification	Practice Quiz 1 - Easy Level
certification	Practice Quiz 2 - Moderate
certification	Practice Quiz 3 - Advanced
Boat and Stream	
externalvideo	What is Boat and Stream?
Pipe and Cistern - Previous Year C	Questions
externalvideo	Boats and Streams - Imp. Formula List
externalvideo	Upstream and Downstream - Concept and Application
externalvideo	Upstream and Downstream - Practice Session

Practice Questions based on Upstream and Downstream
When Travel in Both Ways - Concept and Application
Boat and Stream Practice Questions - Other Conditions Based
Boat and Stream Quiz 1 - Easy
Boat and Stream Quiz 2 - Moderate
Boat and Stream Quiz 3 - Hard
What are Quadratic Equations?
The 3 Methods - Factorization, Sridharacharya and Squaring
Important Question Session
Practice Questions on Factorization Method
Practice Questions on Shridharacharya Method
Practice Questions - Completing the Square Method

Quadratic Equation Practice Quizzes	
certification	Quadratic Equations Quiz 1 - Easy Level
certification	Quadratic Equations Quiz 2 - Moderate Level
certification	Quadratic Equations Quiz 3 - Hard Level
Permutations and Combinations	5
externalvideo	Concept and Important Formulas
Boat and Stream Short Tricks a	nd Revision
externalvideo	P & C of Word/Alphabet Arrangement
Boat and Stream - Previous Yea	r Questions
certification	Practice Questions on Words Alphabet Arrangement
Time and Distance	
externalvideo	P & C When Vowels/Consonants/Letters Group Together
Probability	
externalvideo	P & C When Vowels/Consonants/Letters - Not Together
certification	Practice Questions - Vowels Consonants Letters Group Together
externalvideo	P & C When No. of Ways Things Occur Together
certification	Practice Questions on No. of Ways Things Occur Together

externalvideo	P & C When First and Last Fixed
externalvideo	P & C in Making Group Committee
certification	Practice Questions - Group Committee
externalvideo	Mixed Important Questions for Practice
ermutations and Combinations -	Practice Quizzes
certification	Practice Quiz 1 - Easy
Quadratic Equations - Short Trick	s and Revision
certification	Practice Quiz 2 - Moderate
Quadratic Equations - Previous Ye	ear Questions
certification	Practice Quiz 3 - Advanced
ime and Distance - Tricks and Re	evision
externalvideo	Basic Concept and Imp Terms in Probability
externalvideo	Probability - Coin Toss Problems
certification	Practice Questions based on Coin Toss Probability
externalvideo	Dice Problems in Probability

certification	Practice Questions - Rolling Dice Probabilities
externalvideo	Playing Cards - Word Problems
certification	Playing Cards Practice Questions
externalvideo	Conditional Probability with Balls, Urns and Marbles
certification	Practice Questions on Balls, Urns and Marbles
externalvideo	Different Conditions in Probability Problems
certification	Practice Questions on Different Conditions
Probability Practice Quizzes	
certification	Probability Quiz 1 - Easy Level Questions
certification	Probability Quiz 2 - Moderate Level Questions
certification	Probability Quiz 3 - Difficult Level Questions
Partnership	
externalvideo	Simple Partnership - Time Same and Money Invested for Equal Time Period
externalvideo	Compound Partnership - Time Not Same and Money Invested for different Time Period

Permutations and Combinations - Short Tricks and Revision

cert	ıtı	cation	

Practice Questions based on Simple Partnership

Permutations and Combinations - Previous Year Question	ermutations and	i Combinations -	· Previous	Year (Juestions
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Permutations and Combinations	s - Previous Year Questions
certification	Practice Questions based on Compound Partnership
externalvideo	New Partner Joins In Between
externalvideo	If Partner(s) Withdraw/Increase Investment In-between
certification	Practice Questions on Later on Any Partner Joins
certification	Practice Questions on Withdrawal/Increase of Investment in Between
externalvideo	Partial Profit Situations in Partnerships
certification	Practice Questions on Partial Profit Situations
Partnership Practice Quizzes	
certification	Practice Quiz 1 - Easy Level Questions
certification	Practice Quiz 2 - Moderate Level Questions
certification	Practice Quiz 3 - Advanced Level Questions
Number Series	
externalvideo	Number Series - Basic Concept and Types of Questions

externalvideo	Missing Term in Number Series	
certification	Practice Questions based on Missing Term	
externalvideo	Odd one Out/Wrong number in Number Series	
certification	Practice Questions based on Odd one Out	
Probability - Important Short Trick	s and Revision	
externalvideo	Double Liner - Number Series	
Probability - Previous Year Question	ons	
certification	Practice Questions - Two Liner Based	
externalvideo	Practice Test 1	
externalvideo	Practice Test 2	
Number Series - Practice Test and Quizzes		
certification	Number Series (Quants) Quiz - Easy Level	
certification	Number Series (Quants) Quiz - Moderate Level	
certification	Number Series (Quants) Quiz - Hard Level	
Trigonometry		
externalvideo	Introduction to Trigonometry and Measurement System	
I		

externalvideo	Trigonometric Ratios		
externalvideo	Domain and Range		
externalvideo	Minimum and Maximum Values of Trigonometric Functions		
externalvideo	Important Questions on Trigonometric Ratios		
certification	Practice Questions on Angle of Depression		
Trigonometry - Question Sessions & Practice Quizzes			
certification	Practice Questions on Trigonometric Ratios		
certification	Practice Questions on Angle of Elevation		
Partnership - Short Tricks and Revision			
externalvideo	Trigonometric Identities		
Partnership - Previous Years Que	estions		
externalvideo	Ratio, Reciprocal, Product, Pythagorean, Angle Identities		
externalvideo	Trigonometric Identities Important Questions		
externalvideo	Trigonometric Identities Practice Session		
certification	Practice Questions on Trigonometric Identities		

externalvideo	Complementary Angles and Quadrant Formula - Session 1
externalvideo	Quadrant Formula - Session 2
externalvideo	Sum and Difference Formula
externalvideo	Product/Sum/Difference/Double Half/Thrice Angle Formulas
externalvideo	Question Session on Product/Sum/Difference/Double Half/Thrice Angle Formulas
externalvideo	Sine and Cosine Laws in Triangle - Session 1
externalvideo	Sine and Cosine Laws in Triangle - Session 2
externalvideo	Projection Rule, Napier's Analogy and Area of Triangle
externalvideo	Radian and Degree Based Questions
certification	Practice Questions on Circular Measure of Angle
certification	Practice Questions on Conversion of Degree/Radian into Radian/Degree
Number Series - Previous Year Q	uestions
externalvideo	Mixed Question Session 1
externalvideo	Mixed Question Session 2

externalvideo	Mixed Question Session 3
externalvideo	Important Questions on Identities - Class 1
externalvideo	Important Questions on Identities - Class 2
certification	Practice Quiz 1 - Easy level Questions
certification	Practice Quiz 2 - Moderate level Questions
certification	Practice Quiz 3 - Advanced level Questions
Logarithm	
externalvideo	Logarithm - Definition and Concept
externalvideo	Properties of Logarithm
externalvideo	4 Laws of Logarithm - Product, Quotient, Power/Exponent and Base Change
externalvideo	Questions based on Laws of Logarithm
externalvideo	Characteristics and Mantissa of a Logarithm
externalvideo	Practice Session 1
externalvideo	Practice Session 2

Mensuration 2D

externalvideo	Introduction to Mensuration
externalvideo	Triangles
externalvideo	Quadrilaterals
externalvideo	Curved Shapes
externalvideo	Regular Polygon
externalvideo	Rectangle Class 1
externalvideo	Rectangle Class 2
externalvideo	Rectangle Class 3
externalvideo	Square with Rectangle
externalvideo	Circle with Rectangle
externalvideo	Other Conditions with Rectangle
certification	Practice Questions on Rectangle Only
certification	Practice Questions on Rectangle with Others
externalvideo	Square and its Diagonals

externalvideo	Square and its perimeter
externalvideo	Square Percentage Effects
externalvideo	Circle with Square Class 1
Trigonometry - Tricks and Revision	
externalvideo	Circle With Square Class 2
externalvideo	Triangle With Square
certification	Practice Questions based on Square
externalvideo	Square With Other Conditions
externalvideo	Parallelogram - Concept and Tricks
externalvideo	Parallelogram Question Session
externalvideo	Rhombus - Concept and Tricks
externalvideo	Rhombus Question Session - Class 1
externalvideo	Rhombus Question Session - Class 2
Logarithm - Tricks and Revision	
externalvideo	Trapezium - Concept and Tricks

ogarithm - Previous Year Questions		
externalvideo	Trapezium Question Session	
gebra		
externalvideo	Triangle with Trapezium	
gebra - Tricks and Revision		
externalvideo	Circle With Trapezium	
lgebra - Previous Year Questio	ons	
externalvideo	Polygon - Concept and Questions	
certification	Practice Questions on Quadrilaterals & Polygons	
externalvideo	Triangle - Concept and Tricks	
externalvideo	Congruent Triangles	
externalvideo	Similarity of Triangles	
externalvideo	Medians in Triangles	
externalvideo	Triangle Question Session 1	
externalvideo	Triangle Question Session 2	
externalvideo	Circle with Triangle - Class 1	

externalvideo	Circle with Triangle - Class 2
externalvideo	Circle with Triangle - Class 3
externalvideo	Triangle with Other Conditions
certification	Practice Questions based on Triangle
certification	Practice Questions based on Triangle with Others
externalvideo	Circle - Concept and Tricks
externalvideo	Circle Question Session 1
externalvideo	Circle Question Session 2
externalvideo	Circle Question Session 3
externalvideo	Square with Circle
externalvideo	Triangle with Circle
externalvideo	Semi Circle - Concept & Tricks with Question Session
certification	Practice Questions based on Circle

Mensuration 2D - Practice Quizzes

certification	Practice Quiz 1 - Beginner	
certification	Practice Quiz 2 - Moderate	
certification	Practice Quiz 3 - Advanced	
Set Theory		
externalvideo	Introduction to Set Theory	
externalvideo	Representation of Sets - Statement / Tabular Form	
externalvideo	Different Types of Sets	
externalvideo	Problems on Power, Subset, Comparable and Universal Sets	
externalvideo	Set Operations - Union, Intersection and Venn Diagrams	
Mensuration Next		
externalvideo	Complement of a Set - Concept with Examples	
Geometry and Coordinate Geometry		
externalvideo	Commutative, Associative, Idempotent Laws	
Set Theory - Practice Questions and Quizzes		
externalvideo	Set Theory Imp Questions - Practice Session 1	
externalvideo	Set Theory Imp Questions - Practice Session 2	

certification	Practice Quiz 1 - Easy level Questions
certification	Practice Quiz 2 - Moderate level Questions
certification	Practice Quiz 3 - Advance level Questions

Extra AU