

MATHEMATICS NEWS

MEMBERS OF MATHEMATICS DEPARTMENT

1. Mr. Vishnu Kulkarni (MSc. BEd.)

(“Mathematics is the art of giving the same name to different things.”)



2. Ramesh Jadhav (MSc. BEd.)

(“Mathematics may not teach you, how to add love or subtract hate but it gives you a reason to hope that every problem has a solution.”)



3. Rashid Ansari (MSc. BEd.)

(“Mathematics is the most beautiful and most powerful creation of the human spirit.”)



4. Suraj Kumar Prasad (NITian B-Tech, ME, MBA)

(“Mathematics is the language in which God has written the universe ”)



MATHEMATICS NEWS

INTRODUCTION

Mathematics is the mother of all science. We cannot imagine a world without Mathematics. The study of mathematics equips students with knowledge, skills, and habits of mind that are essential for successful and rewarding participation in a society.

The department of Mathematics in, The Manik Public School provide students with a framework and tools for reasoning, justifying conclusions, and expressing ideas clearly. Through mathematical activities, develop mathematical understanding, problem-solving skills, and related technological skills that they can apply in their daily lives.

The aim of teaching Mathematics at school is to develop useful capabilities, particularly those relating to number operations, algebra, geometry and trigonometry. Children learn to enjoy Mathematics rather than fear it.

NATIONAL MATHEMATICS DAY CELEBRATION

National Mathematics Day is celebrated every year in India on December 22 to honour the birth anniversary of the legendary mathematician, Srinivasa Ramanujan, who made extraordinary contributions to the field of mathematics.

Today, our school celebrated this special day with great enthusiasm. Vasavi and Guruprasad of Class 10 delivered an inspiring speech on the importance of the day, emphasizing the significance of mathematics in our daily lives and its applications in various subjects.

Pratyush of Class 7 and Rohit of Class 6 conducted an engaging activity on Kaprekar's Magic Number, leaving everyone amazed. Additionally, Vaishnavi of Class 12 organized an exciting card game that combined fun with learning.

The celebration was a wonderful tribute to the spirit of mathematics.

MATHEMATICS NEWS

INTERNATIONAL MATHEMATICS OLYMPIAD

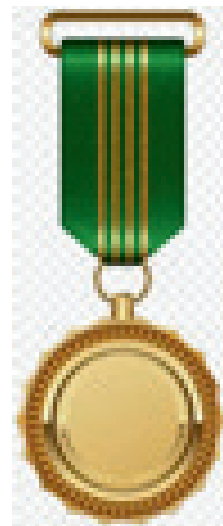
To create awareness of Competitive examinations, our school has registered the students for International Mathematics Olympiad 2023-24. The following students won Medals and qualified for level-II.

LEVEL-II QUALIFIED STUDENTS

- | | |
|------------------|-------------|
| 1. PRATYUSH P | (CLASS – 6) |
| 2. ATHARVA PATIL | (CLASS – 7) |
| 3. VASAVI SIGI | (CLASS – 9) |
| 4. SAHIL | (CLASS - 9) |
| 5. PARTH JOSHI | (CLASS –10) |

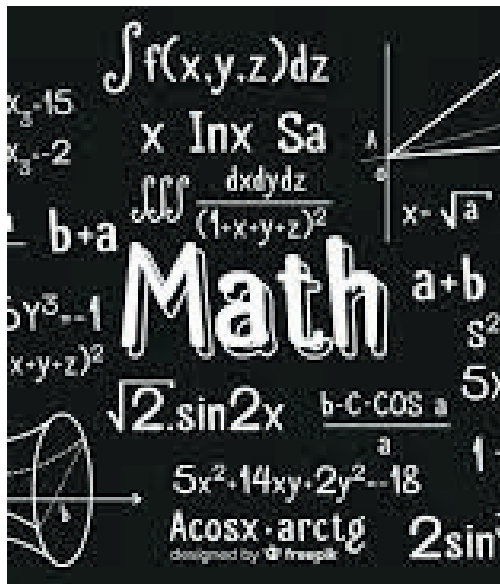
MEDAL WINNERS

- | | |
|---------------|--------------|
| 1. PRATYUSH P | (GOLD MEDAL) |
| 2. VANDITA | (GOLD MEDAL) |
| 3. ATHARVA N | (GOLD MEDAL) |
| 4. AISHA | (GOLD MEDAL) |
| 5. SUYODHAN | (GOLD MEDAL) |
| 6. ISHAN | (GOLD MEDAL) |
| 7. SAHIL | (GOLD MEDAL) |

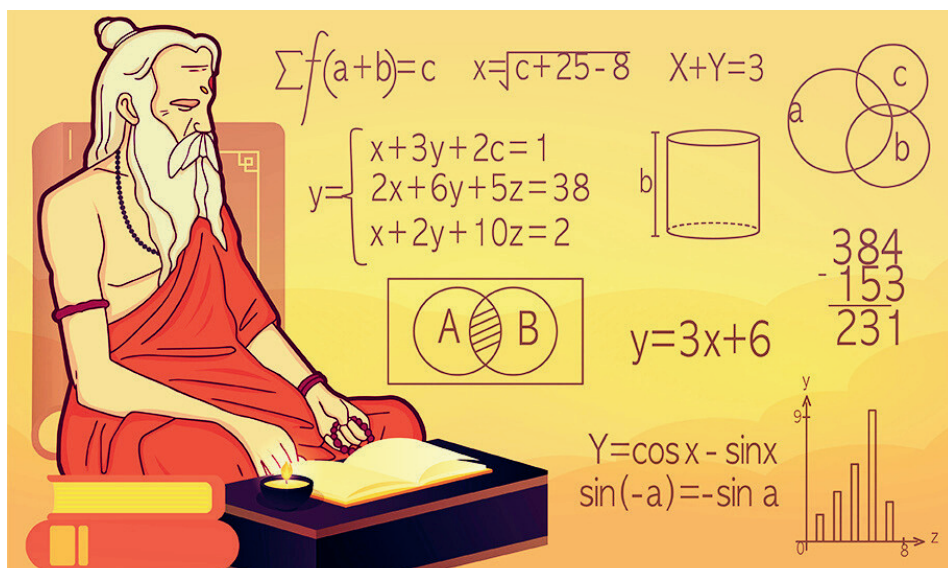


MATHEMATICS NEWS

THE HISTORY OF MATHEMATICS



Indian mathematicians made early contribution to the study of concept of zero as a number , negative number, Arithmetic and algebra. Perhaps most significantly the decimal system that we still employ world wide today was first seen in India.



Mathematics first arose from the practical need to measure time and count. The earliest of primitive forms of counting occur in notched bones and scored pieces of wood and stone. Early uses of geometry are revealed in patterns found on ancient walls and pottery.

As civilization arose in Asia and the near East, sophisticated number systems and basic knowledge of arithmetic, Geometry and Algebra began to develop.

Why India is Good at Math?
The roots of India's love for mathematics run deep reaching back to the Indus valley civilization. The Aryavarttha period, spanning from around 1500 BCE to 500 BCE played a pivotal role in the development of Indian Mathematics. This rich heritage has set the stage for Indians to excel in the field of Maths.

Vedic maths or vedic mathematics is a collection of methods or Sutras to solve numerical computations quickly and faster. It consists of 16 Sutras called Formulae and 13 sub-sutras called Sub formulae which can be applied to the solving of problems in arithmetic algebra, geometry, calculus, conics etc.

MATHEMATICS NEWS

16 SUTRAS OF VEDIC MATHEMATICS

S.No.	Sutras Name	Meaning
Sutra 1	Ekadhikina Purvena	By one more than the previous one
Sutra 2	Nikhilam Navatashcaramam Dashatah	All from 9 and the last from 10
Sutra 3	Urdhva-Tiryagbyham	Vertically and crosswise
Sutra 4	Paraavartya Yojayet	Transpose and adjust
Sutra 5	Shunyam Saamyasamuccaye	When the sum is the same that sum is zero
Sutra 6	(Anurupye) Shunyamanyat	If one is in ratio, the other is zero
Sutra 7	Sankalana-vyavakalanabhyam	By addition and by subtraction
Sutra 8	Puranapuranabyham	By the completion or non-completion
Sutra 9	Chalana-Kalanabyham	Differences and Similarities
Sutra 10	Yaavadunam	Whatever the extent of its deficiency
Sutra 11	Vyashtisamanstih	Part and Whole
Sutra 12	Shesanyankena Charamena	The remainders by the last digit
Sutra 13	Sopaantyadvayamantyam	The ultimate and twice the penultimate
Sutra 14	Ekanyunena Purvena	By one less than the previous one
Sutra 15	Gunitasamuchyah	The product of the sum is equal to the sum of the product
Sutra 16	Gunakasamuchyah	The factors of the sum is equal to the sum of the factors

According to Krishna Tirtha, the sutras and other accessory content were found after years of solitary study of the Vedas—a set of sacred ancient Hindu scriptures—in a forest. They were supposedly contained in the *pariśiṣṭa*—a supplementary text/appendix—of the Atharvaveda. He does not provide any more bibliographic clarification on the sourcing. The book's editor, V. S. Agrawala, argues that since the Vedas are defined as the traditional repositories of all knowledge, any knowledge can be assumed to be somewhere in the Vedas, by definition; he even went to the extent of deeming Krishna Tirtha's work as a *pariśiṣṭa* in itself.

However, numerous mathematicians and STS scholars (Dani, Kim Plofker, K.S. Shukla, Jan Hogendijk et al.) note that the Vedas do not contain any of those sutras and sub-sutras. When Shukla, a mathematician and historiographer of ancient Indian mathematics, challenged Krishna Tirtha to locate the sutras in the *Parishishta* of a standard edition of the Atharvaveda.

MATHEMATICS NEWS

WHAT DID INDIA CONTRIBUTES TO THE WORLD MATHEMATICS

“IT IS IMPORTANT TO APPROACH MATHS ONLY IN SPIRIT OF CURIOSITY AND DISCOVERY
- SHAKUNTALA DEVI



Shakuntala Devi also known as Math lady of India while Aryabhatta is known as the Father of Maths. Srinivas Ramanujan also contributed a lot in the field of Mathematics.

Srinivas Ramanajun , Aryabhatta , Brahmaguta , M.S Raghunathan , Shakuntala Devi , Raman Parimala , C.R. Rao , Bhaskara II , Bhaskara I, Satyendra nath Bose and many more are the great mathematicians of India. We all thank them for their contribution in Maths field.

We all are proud of them and proud to Indian.

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When did India Start Math?

The history of Indian mathematics dates back to the vedic period(around 1500BC). The Sub-sutras of this vedic age are texts on rule for altar construction. They are the oldest text on Indian Mathematics.

MATHEMATICS NEWS

FACTS OF MATHS

1. There is no Roman numeral of '0'.
2. Take any shape with the same perimeter and a circle still possesses the largest area.
3. The number 0.999999 is equal to '1'.
4. The symbol for infinity was first used by the ancient Greeks in the 5th century.
5. The addition of numbers in the opposite side of dice always equal to seven.
6. 7 is one of the most unique number. It is the only single number that cannot be divisible by a number and kept in the 1 – 10 number range.
7. When two even numbers are added, the sum is always a even number.
8. 1,000 is the only number with an 'A' in it from to one thousand.

VAMPIRE NUMBERS

- 1260 is a vampire number
- With 21 and 60 as fangs
- Since $21 \times 60 = 1260$.
- Others are: $1395 = 15 \times 93$
- $1435 = 41 \times 35$
- $1530 = 51 \times 30$

Name - Aradhya

Class - 7th A

House - Laxmibai House

WHAT ARE ROMAN NUMERALS?

As we know Roman Numerals is an ancient number system that is still used but not maximum. In Roman numerals, alphabets are used to represent the fixed positive numbers. You may wondered about the roman numeral 'Z', the letter Z is used in roman numeral to represent the number 2000. Mostly during the medieval period, it can also represent the 26th place in the series, or the 25th place is the letter I is taken out.

This is also called Roman code for example, the number 157 is written "C L V I I" in roman numerals. The numbers are written from left to right in descending order.

$M > D > L > V >$

Remember that "x" cannot be written 4 times or more than 3 times in any Roman Numeral.

Roman numerals use "23 letters" from English alphabet, excluding J , V and W. These letters are also known as Roman symbols. For example, the year 2024 is written as MMXXIV in roman numerals.

"The letter 'Y' doesn't exist in traditional Roman numerals".

ROMAN NUMERALS

I	II	III	IV	V	VI	VII	VIII
1	2	3	4	5	6	7	8
IX	X	L	C	D	M		
9	10	50	100	500	1,000		

Using Roman numerals, the sum 1,223 + 1,114 becomes:

$$\begin{array}{r} \text{MCCXXIII} + \text{MCXIV} \\ = \text{MCXXIII} + \text{MCXIII} \\ + \begin{array}{r} \text{M} \quad \text{CC} \quad \text{XX} \quad \text{III} \\ \text{M} \quad \text{C} \quad \text{X} \quad \text{III} \end{array} \\ = \text{MM} \quad \text{CCC} \quad \text{XXX} \quad \text{IIIIII} \\ = \text{MMCCCXXXVII} = 2,337 \end{array}$$

Name - Vaishnavi A S

Class - 9th B

House - Laxmibai House

MATHEMATICS NEWS

MATHEMATICS IS LIKE A BIG GAME , AND I'M JUST TRYING TO PLAY IT WELL

Mental Math for Square Calculating Square Roots..!!!!

Mental math is an wonderful technique that can be developed with practice and patience. One of the most interesting fact of mental math is calculating square roots. In this article, let's explore the techniques and strategies for mentally calculating square roots, from recognizing perfect square to estimating non-perfect square.

The Foundation of mental math for squares is recognizing perfect squares. A perfect square is a number that can be expressed as the squares of an integer such as 16(4²) , 25(5²) or 36(6²). By committing these perfect square to memory, you can quickly identify them and calculate their square roots.

For non-perfect squares use estimation techniques to approximate the square root. Break down the number into perfect square.

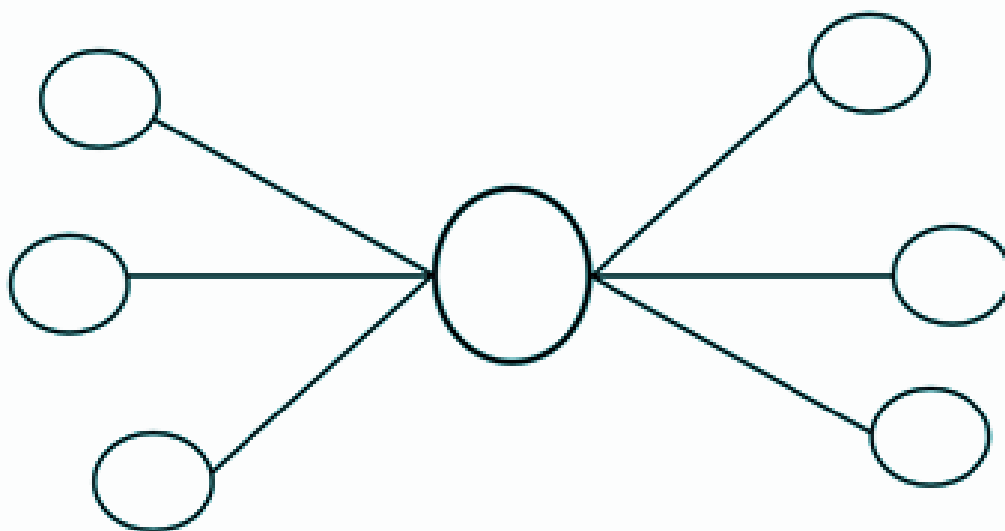
Calculating square roots mentally in an impressive skill, by recognizing perfect squares, recalling common perfect squares, you can unlock the power of mental math and perform calculation.

"Imagination is more important than knowledge.

Knowledge is limited, imagination encircles the world"....

Name - Tanishka Ghavalkar Class - 9th B House - Muktabai House

PUZZLE TIME



Put the numbers

1 , 2 , 3 , 4 , 5 , 6 and 7 in the circles so that each straight line of three numbers adds up to the same total.

Name - V Shloka Class - 7th A House - Laxmibai House

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THE MAGIC NUMBER OF KAPREKAR

D.R. Kaprekar was a mathematics teacher in a government school in Devlali, Maharashtra.

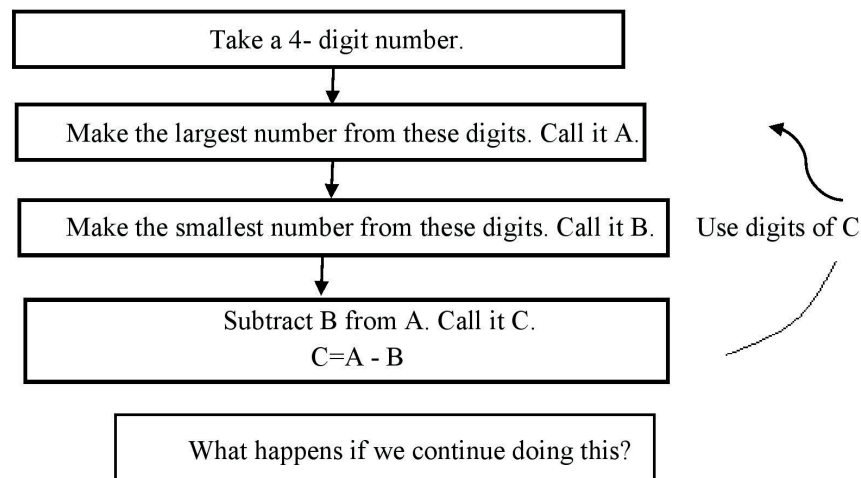
He liked playing with numbers very much and found many beautiful patterns in numbers that were previously unknown.

In 1949, he discovered a fascinating and magical phenomenon when playing with 4 – digit numbers.



INDIAN MATHEMATICIAN
(1905 - 1986)

Follow these steps and experience the magic for yourselves! Pick any 4 –digit number, say 6382



$$\begin{aligned} A &= 8632 \\ B &= 2368 \\ C &= 8632 - 2368 \\ &= 6264 \end{aligned}$$

$$\begin{aligned} A &= 6642 \\ B &= 2466 \\ C &= 6642 - 2466 \\ &= 4176 \end{aligned}$$

$$\begin{aligned} A &= 7641 \\ B &= 1467 \\ C &= 7641 - 1467 \\ &= 6174 \end{aligned}$$

$$\begin{aligned} A &= \\ B &= \\ C &= \end{aligned}$$

Explore

Take different 4-digit numbers and try carrying out these steps. Find out what happens. Check with your friends what they got.

You will always reach the magic number '6174'! The number '6174' is now called the 'Kaprekar Constant'.

-Vishnu Kulkarni

MATHEMATICS NEWS

GREATEST MATHEMATICIANS OF ALL TIME

Aryabhata (c. 476 – c. 550)

Nationality: Indian

Famous For: Writing *Āryabhaṭīya*

and the *Arya-siddhanta*

Indian mathematician

Aryabhata's contribution

include his work on providing an approximate value to pi. He likewise touched on the concepts of sine, cosine, and the place-value system.



Ptolemy (c. 90 – c. 168 AD)

Nationality: Greco-Roman

Famous For: *Almagest*

Ptolemy was a mathematician of the highest order. In his book *Almagest*, or *The Mathematical Compilation*, Ptolemy provides mathematical theories related to the solar system.



Ada Lovelace (1815-1852)

Nationality: English

Famous For: Work on the *Analytical Engine*

English mathematician Ada Lovelace is recognized as the

world's first computer

programmer. Her mathematical skills were evident at an early age. As part of her work, she produced a mathematical algorithm that would be later used in computers.



Alan Turing (1912-1954)

Nationality: British

Famous For: Father of computer science

Turing's fame as a mathematician can be attributed to his formulating of algorithms and computations for a computer, the Turing Machine. His mathematical background helped device techniques in code breaking, specifically in world war 2. In 1948 Turing became interested in mathematical biology.



Srinivasa Ramanujan (1887-1920)

Nationality: Indian

Famous For: *Landau-Ramanujan constant*

Ramanujan was a genius in mathematics. He helped expand mathematical theory, particularly in continued fractions, infinite series, mathematical analysis, and number theory. He conducted mathematical research in seclusion.



Benjamin Banneker (1731-1806)

Nationality: African American

Famous For: Calculating a solar eclipse

Benjamin Banneker was a self-taught mathematician. He used his mathematical skills to predict an eclipse and the seventeen-year cycle of locusts.



Omar Khayyám (1048-1131)

Nationality: Persian

Famous For: *Treatise on Demonstration of Problems of Algebra*

Omar Khayyam wrote one of the most important books in mathematics, *Treatise on Demonstration of Problems of Algebra* from which most algebraic principles have been drawn from. In the area of geometry, Khayyam worked on the "theory of proportions."



Eratosthenes (276 – 194 BC)

Nationality: Greek

Famous For: *Sieve of Eratosthenes*

Eratosthenes provided the concept of a simple algorithm as a way to locate prime numbers.

The *Sieve of Eratosthenes* that has been used to find prime numbers.



John von Neumann (1903-1957)

Nationality: Hungarian

Famous For: *Operator theory and quantum mechanics*

The mathematical evaluation of self-replication by John von Neumann came before the DNA model was introduced. Other mathematical subjects he tackled include the "mathematical formulation of quantum mechanics", "game theory", mathematical statistics and mathematical economics. His contribution to the study of the "operator theory" is equally important.



Pierre de Fermat (1601-1665)

Nationality: French

Famous For: *Fermat's Last Theorem*

As an amateur mathematician, de Fermat is given recognition for his work that has led to infinitesimal calculus. He applied the use of "adequacy" in explaining his mathematical constructs. De Fermat's also contributed to the math fields of analytic geometry, differential calculus, and number theory.



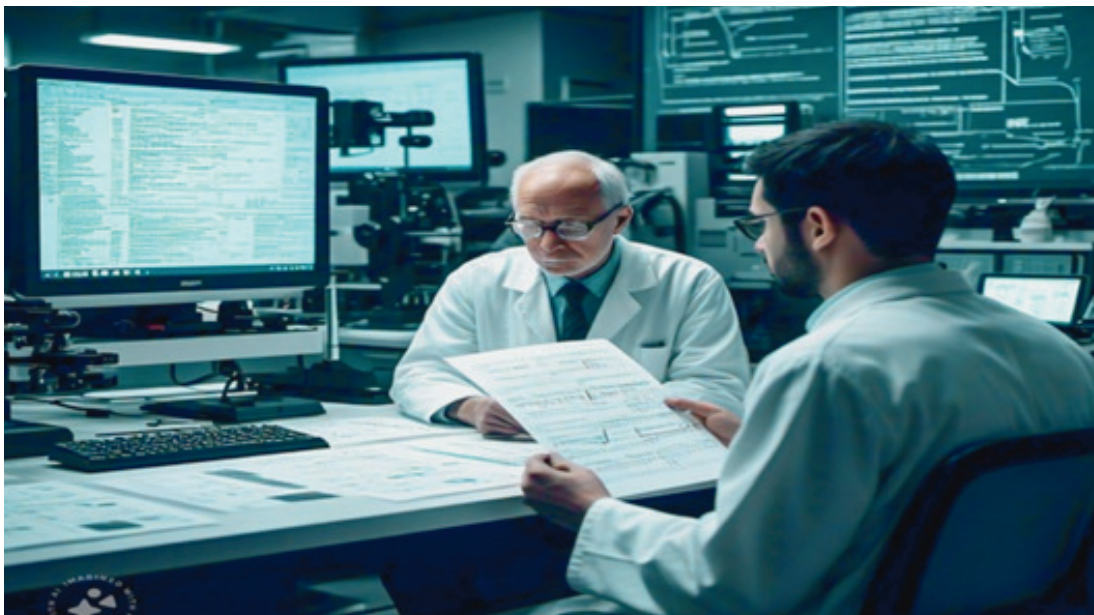
MATHEMATICS NEWS

THE INDISPENSABLE ROLE OF MATHEMATICS IN ARTIFICIAL INTELLIGENCE

Artificial intelligence (AI) has revolutionized the way we live, work, and interact with each other. From virtual assistants like Siri and Alexa to self-driving cars and personalized product recommendations, AI has become an integral part of our daily lives. However, beneath the surface of these impressive AI applications lies a fundamental component: mathematics.

Linear Algebra: The Backbone of AI

- 1. Data Representation:** Linear algebra provides a mathematical framework for representing data as vectors and matrices, enabling AI systems to process and analyze large datasets.
- 2. Neural Networks:** Linear algebra is used to train neural networks, which are a fundamental component of deep learning algorithms. Neural networks rely on matrix multiplications and linear transformations to learn complex patterns in data.
- 3. Computer Vision:** Linear algebra is used in computer vision applications, such as image recognition and object detection, to represent images as matrices and perform tasks like image filtering and segmentation.



“WHAT IS THE ROLE OF MATHEMATICS IN SCIENCE AND TECHNOLOGY?”

- # ROLE OF MATHEMATICS IN PHYSICS

- $$E = mc^2$$

$y = \ln(x) + \sin(x)$
 $S = a^2$
 CH_4
 $S = \frac{1}{2} d^2$
 $f(P) = \sqrt{x^2 + y^2 + z^2}$
 $z = \frac{y^3}{y^4 + x^4}$
 $NaCl$
 H_2O
 O_2
 $f(x) = \int_{-\infty}^{\infty} f(t) dt$
 $S = \pi R^2$
 H_2
 $f(x)$
 $y = \ln(x) + \sin(x)$
 $S = a^2$
 CH_4
 $S = \frac{1}{2} d^2$
 $f(P) = \sqrt{x^2 + y^2 + z^2}$
 $z = \frac{y^3}{y^4 + x^4}$

- Chemists use Mathematics for calculating energy in chemical reaction, Compressions of gas.
- Ratio and proportions are used for mixing solutions of certain molarities.
- Algebra and graphs for analysis of experimental plots of reaction, gas laws.
- Percentage and Ratio for estimation of element in organic chemistry.
- We come to know about the Quantity of substance to be measured by using Mathematical Formulae.
- Different branches of chemistry are dependent on various applications of Mathematics like Thermodynamic, Organic chemistry, inorganic chemistry Physical chemistry etc,....

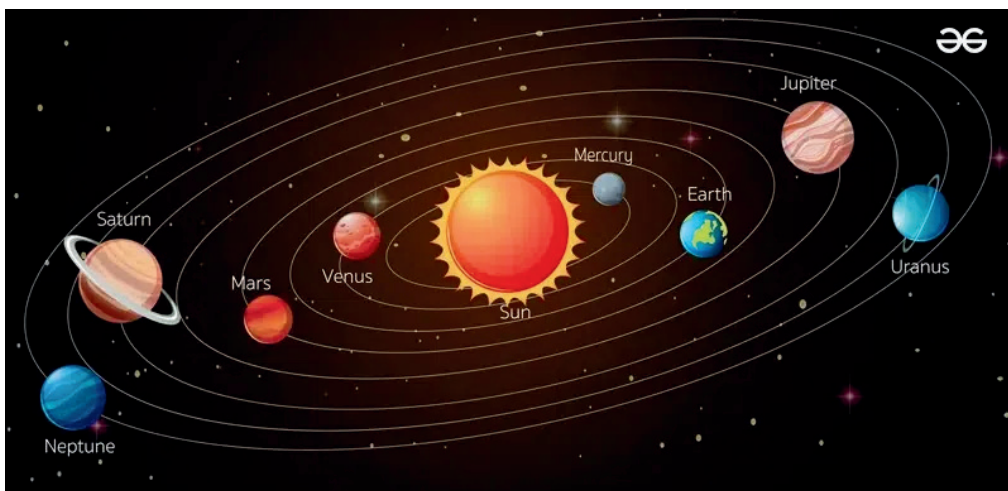
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WHAT IS THE ROLE OF MATHEMATICS IN SCIENCE AND TECHNOLOGY?

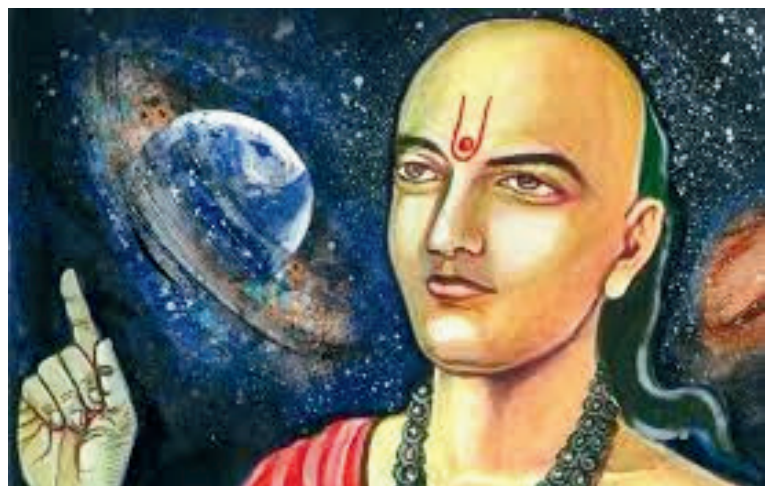
ROLE OF MATHEMATICS IN ASTRONOMICAL SCIENCE

Mathematics comes into play when explaining the ways of stellar development and universe development. Both employ mathematical models that are based on atomic physics, thermodynamics and general relativity to model the life, history of stars, predict behavior of stars and solve mysteries in evolution of the universe.

- Determining the dimensions, velocity etc of planetary bodies.
- Calculating distance to an object in the sky.
- Astronomers use Mathematics when they take off from earth, to control and steer using degrees.



Considering the modern units of time, Aryabhatta calculated the sidereal rotation (the rotation of the Earth concerning the stars) as 23 hours, 56 minutes and 4.1 seconds. The modern value of time was written as 23:56:4.091. Aryabhatta gave an astronomical model which stated that the Earth rotates on its axis.



MATHEMATICS NEWS

MATHEMATICS PUZZLE

Make a group of four to have a connection in the table given below

Obtuse	Percent	Impossible	Reflex
Ratio	Acute	Tally	Certain
Possibly	Right	Unlikely	Bar
Cumulative	Decimal	Pie	Fraction
obtuse			

Add	Median	Range	Divide
Negative	Ruler	Calculator	Set square
Subtract	Profactor	Odd	Mean
Mode	Prime	Multiply	Even
Mean			

Arrange the given numbers in the cross so that the sum of the numbers in vertical line is same as horizontal line

(1)

3

4

5

6

7

(2)

1

8

-20

-13

-6

Place the numbers onto the grid to make three fractions. Two numbers multiplied together make the denominators.

5

× 8

+

7

2 ×

-

3 × 6

= 1

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MATHEMATICS PUZZLE

You have given two jugs below one is of 7 liter & other is of 5 liter. Weather a jug has any marking. How can you measure out exactly four liters by using these jugs.



Arrange the given digits to make three 3-digit numbers that add up to 888

8	8	8

9	9	9

MATHEMATICS NEWS

HOW PRIME NUMBER CONNECTS TO GEOMETRY

The history of research into the prime number has been a long and colorful one. This announcement of the Riemann Hypothesis in 1856. It was the discovery of a beautiful simple law that explained the step by step accumulation of the prime number. It deeply rooted geometry has long been sought to explain the distribution of the prime number.

1. Minimum ratio of perimeter vertices to prime count [reference to simply as the structure of minimum vertices].
2. Maximum ratio of perimeter vertices to prime count [referred to simply as structure of maximum vertices].

Now consider the subset in which the ratio of perimeter vertices to prime count is a maximum. The operation of geometric integument is addressed later in this rotation of the structure by 180 degree, at primes where there is no geometric restriction for example, rotation at primes 5, 11 & 17 would fulfill this requirement where as rotation around primes 7, 13 , 19 & 23 would not.

Verticles to prime-count[N] & the ratio decreases towards zero at an even solving rate as the dimension as lattice propayates

Prime Number Pattern Test

31, 331, 3331 etc

Can you predict the next Prime Number in the series -

31 yes is prime (can not be divided by any other number except for 1 and itself)

331 yes is prime

3,331 yes is prime

33,331 yes is prime

333,331 yes is prime

3,333,331 yes is prime

33,333,331 yes is prime

I know what you are going to say, that **333,333,331** is Prime, but sorry,
I didn't mean to trick you, but it is not. Why, because it is derived from $17 \times 19,607,843$
and since it has these 2 factors, it can not possibly be a Prime Number.

MATHEMATICS NEWS

IS MATHS REALLY BORING ?

“Mathematics is a great motivator for all humans. Because it's career starts with zero and it never ends (infinity)

“Mathematics is the most beautiful and most powerful creation of human spirit”.

AND also encourages curiosity.

This is beginning with quotes can you all imagine a day without a single use of mathematics. A day without mathematics doesn't even exist. The morning you woke up to the night you sleep everything goes with mathematics.



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Mathematical knowledge plays an crucial role in understanding the contents of other subjects such as Science, Social studies and even music & art, even many students say that I hate mathematics, my hatest subject is mathematics? Is that really boring? No it's not it has Addition, Subtraction, Multiplication, division and Algebraically different identities and many more,.... But that subject were the more you practice more easier it is.

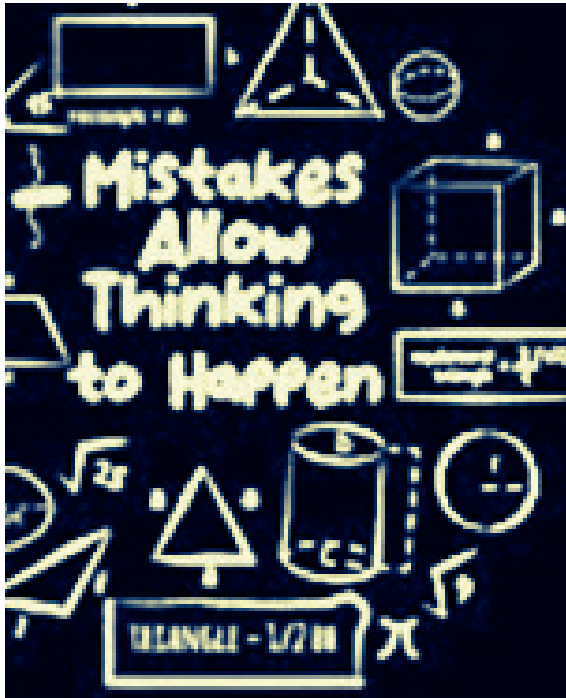
So, here we gonna reveals some interesting topics to grab your interest towards mathematics.

Have you all ever wondered which mathematics do we all study and were did that arrived.

Well we study Greek Mathematics but there is also Balylonia mathematics. Is that new to you.....? It is other kind of mathematics even though they are different Balylonia contributes to Greek Mathematics.

MATHEMATICS NEWS

IS MATHS REALLY BORING ? (Continued)



The Balylonia is discovered independent truths often by relying on observation. The Greek on the other hand looked to build body of mathematics from a set of fundamental axioms. Now the question arises in our mind that why the name of mathematics [Balylonia and Greek] is called because the city of Baleyton was the capital of this area for so many centuries is called is called commonly as Balylonia and European Mathematics pf ancient Greece due to many variable sto represent mathematician frequently use letters from the Greek alphabet in their work is called Greek Mathematics.

The father of Greek is “ Archimecles”, The father of balylonia is king “Hammurali”. The balylonia system of mathematics from this we derive the Modern-day usage of 60 seconds in a minute, 60 minutes in hour, 360 degrees in a circle. Ancient Greek mathematics was used for abstract purposes such as Philosophy and religion as well as practical purposes, such as Science and surveying most of Greek Mathematics was based on Geometry.

Why do we use Greek Mathematics instead of balylonia. Cause we are more interested in topic which make us curious or fastinating, Algerba, Geometry are the topics which make Greek mathematics more interesting than balylonia mathematics.

From this we conclude that there are different varieties of maths , but we use Greek mathematics as it is easy and much interesting.



Roadmap to Excellence

CBSE | JEE | NDA

MAGICAL BOOK FOR SUCCESS IN MATHEMATICS



By Suraj Kumar Prasad,

MBA- (Osmania University) - First Division Holder
B-Tech, (ME) - NIT SIKKIM, First Division Holder
Schooling - (JNV Ravangla, Sikkim)



FOR MORE INFO:

THE MANIK PUBLIC SCHOOL, CBSE SENIOR SECONDARY SCHOOL, MANIK
NAGAR, TALUKA- HUMNABAD, DISTRICT-BIDAR, STATE- KARNATAKA, INDIA,
PIN- 585353

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DAY WISE MICRO SCHEDULE FOR MATHEMATICS, GRADE - 11 (SESSION 2025-2026)

THE MANIK PUBLIC SCHOOL, CBSE Senior Secondary School, Manik Nagar, Taluka- Humnabad, District-Bidar, State- Karnataka, India, PIN- 585353

We reach the unreached to ignite the spark of intelligence and transform the students into global leaders with moral principles.



Grade : XI	Subject: MATHEMATICS		Name of Teacher: Suraj Kumar Prasad		Time Management	Questioning to check comprehension or Inducing thinking. (Planery Activity)	Learning Outcomes	Home Work	Remarks
DATE	DAY	Lesson No. Name	Block Name / Sub-Topic & Keywords	Teaching Strategy					
SUNDAY	28	Complete all your pending homework, and review all the questions we have learned so far.							
MONDAY	29	Relations and Functions	Exercise - 2.2 Q-1,2,3,4	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
TUESDAY	30	Relations and Functions	Exercise - 2.2 Q-5,6,7	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
WEDNESDAY	31	Relations and Functions	Exercise - 2.2 Q-8,9	THINK PAIR AND SHARE	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
THURSDAY	32	Relations and Functions	Exercise - 2.3 Q-1,2,3	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
FRIDAY	33	Relations and Functions	Exercise - 2.3 Q-4,5	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
SATURDAY	34	Solving PYQ of CBSE, JEE & NDA							
SUNDAY	35	Complete all your pending homework, and review all the questions we have learned so far.							
MONDAY	36	Trigonometric Functions	Concepts of Topics 50%	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
TUESDAY	37	Trigonometric Functions	Concepts of Topics 50%	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
WEDNESDAY	38	Trigonometric Functions	Exercise - 3.1 Q-1,2,3,4	THINK PAIR AND SHARE	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
THURSDAY	39	Trigonometric Functions	Exercise - 3.1 Q-5,6,7	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
FRIDAY	40	Trigonometric Functions	Exercise - 3.2 Q-1,2,3,4	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
SATURDAY	41	Solving PYQ of CBSE, JEE & NDA							
SUNDAY	42	Complete all your pending homework, and review all the questions we have learned so far.							
MONDAY	43	Trigonometric Functions	Exercise - 3.2 Q-5,6,7	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
TUESDAY	44	Trigonometric Functions	Exercise - 3.2 Q-8,9,10	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
WEDNESDAY	45	Trigonometric Functions	Exercise - 3.3 Q-1,2,3,4	CONCEPT ATTAINMENT	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
THURSDAY	46	Trigonometric Functions	Exercise - 3.3 Q-5,6,7,8	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
FRIDAY	47	Trigonometric Functions	Exercise - 3.3 Q-9,10,11,12	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
SATURDAY	48	Solving PYQ of CBSE, JEE & NDA							
SUNDAY	49	Complete all your pending homework, and review all the questions we have learned so far.							
MONDAY	50	Trigonometric Functions	Exercise - 3.3 Q-13,14,15	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
TUESDAY	51	Trigonometric Functions	Exercise - 3.3 Q-16,17,18	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
WEDNESDAY	52	Trigonometric Functions	Exercise - 3.3 Q-19,20,21	THINK PAIR AND SHARE	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
THURSDAY	53	Trigonometric Functions	Exercise - 3.3 Q-22,23,24,25	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
FRIDAY	54	Complex Number and Quadratic Eqaution	Concepts of Topics 50%	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	



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Grade : XI	Subject: MATHEMATICS		Name of Teacher: Suraj Kumar Prasad		Time Management	Questioning to check comprehension or Inducing thinking. (Planery Activity)	Learning Outcomes	Home Work	Remarks
DATE	DAY	Lesson No. Name	Block Name / Sub-Topic & Keywords	Teaching Strategy					
SATURDAY	55	Solving PYQ of CBSE, JEE & NDA							
SUNDAY	56	Complete all your pending homework, and review all the questions we have learned so far.							
MONDAY	57	Complex Number and Quadratic Eqaution	Concepts of Topics 50%	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem	
TUESDAY	58	Complex Number and Quadratic Eqaution	Exercise - 4.1 Q-1,2,3,4	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem	
WEDNESDAY	59	Complex Number and Quadratic Eqaution	Exercise - 4.1 Q-5,6,7,8	CONCEPT ATTAINMENT	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem	
THURSDAY	60	Complex Number and Quadratic Eqaution	Exercise - 4.1 Q-9,10,11,12	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem	
FRIDAY	61	Complex Number and Quadratic Eqaution	Exercise - 4.1 Q-13,14	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem	
SATURDAY	62	Solving PYQ of CBSE, JEE & NDA							
SUNDAY	63	Complete all your pending homework, and review all the questions we have learned so far.							
MONDAY	64	Linear Inequalities	Concepts of Topics 50%	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem	
TUESDAY	65	Linear Inequalities	Concepts of Topics 50%	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem	
WEDNESDAY	66	Linear Inequalities	Exercise - 5.1 Q-1,2,3,4	CONCEPT ATTAINMENT	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem	
THURSDAY	67	Linear Inequalities	Exercise - 5.1 Q-5,6,7,8	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem	
FRIDAY	68	Linear Inequalities	Exercise - 5.1 Q-9,10,11,12	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem	
SATURDAY	69	Solving PYQ of CBSE, JEE & NDA							
SUNDAY	70	Complete all your pending homework, and review all the questions we have learned so far.							
MONDAY	71	Sequence and Series	Exercise - 5.1 Q-13,14,15,16	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem	
TUESDAY	72	Sequence and Series	Exercise - 5.1 Q-17,18,19,20	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem	
WEDNESDAY	73	Sequence and Series	Exercise - 5.1 Q-21,22,23	CONCEPT ATTAINMENT	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem	
THURSDAY	74	Sequence and Series	Exercise - 5.2 Q-24,25,26	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem	
FRIDAY	75	Sequence and Series	Exercise - 8.1 Q-13,14	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem	
SATURDAY	76	Solving PYQ of CBSE, JEE & NDA							
SUNDAY	77	Complete all your pending homework, and review all the questions we have learned so far.							
MONDAY	78	Permutation and Combination	Concepts of Topics 50%	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem	
TUESDAY	79	Permutation and Combination	Exercise - 6.1 Q-1,2,3	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem	
WEDNESDAY	80	Permutation and Combination	Exercise - 6.1 Q-4,5,6	CONCEPT ATTAINMENT	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem	
THURSDAY	81	Permutation and Combination	Exercise - 6.2 Q-1,2,3	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem	



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DATE	DAY	Lesson No. Name	Block Name / Sub-Topic & Keywords	Teaching Strategy					
FRIDAY	82	Permutation and Combination	Exercise - 6.2 Q-4,5	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
SATURDAY	83	Solving PYQ of CBSE, JEE & NDA							
SUNDAY	84	Complete all your pending homework, and review all the questions we have learned so far.							
MONDAY	85	Permutation and Combination	Exercise - 6.3 Q-1,2,3	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
TUESDAY	86	Permutation and Combination	Exercise - 6.3 Q-4,5,6	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
WEDNESDAY	87	Permutation and Combination	Exercise - 6.3 Q-7,8,9	CONCEPT ATTAINMENT	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
THURSDAY	88	Permutation and Combination	Exercise - 6.3 Q-10,11	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
FRIDAY	89	Permutation and Combination	Exercise - 6.4 Q-1,2,3	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
SATURDAY	90	Solving PYQ of CBSE, JEE & NDA							
SUNDAY	91	Complete all your pending homework, and review all the questions we have learned so far.							
MONDAY	92	Permutation and Combination	Exercise - 6.4 Q-4,5,6	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
TUESDAY	93	Permutation and Combination	Exercise - 6.4 Q-7,8,9	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
WEDNESDAY	94	Binomials Theorem	Concepts of Topics 50%	THINK PAIR AND SHARE	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Slow Learners will get some idea about the chapter	Worksheet Problem	
THURSDAY	95	Binomials Theorem	Concepts of Topics 50%	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Slow Learners will get some idea about the chapter	Worksheet Problem	
FRIDAY	96	Binomials Theorem	Exercise - 7.1 Q-1,2,3	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
SATURDAY	97	Solving PYQ of CBSE, JEE & NDA							
SUNDAY	98	Complete all your pending homework, and review all the questions we have learned so far.							
MONDAY	99	Binomials Theorem	Exercise - 7.1 Q-4,5,6	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
TUESDAY	100	Binomials Theorem	Exercise - 7.1 Q-7,8,9	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
WEDNESDAY	101	Binomials Theorem	Exercise - 7.1 Q-10,11,12	THINK PAIR AND SHARE	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
THURSDAY	102	Binomials Theorem	Exercise - 7.1 Q-13,14	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
FRIDAY	103	Sequence and Series	Concepts of Topics 50%	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
SATURDAY	104	Solving PYQ of CBSE, JEE & NDA							
SUNDAY	105	Complete all your pending homework, and review all the questions we have learned so far.							
MONDAY	106	Sequence and Series	Concepts of Topics 50%	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
TUESDAY	107	Sequence and Series	Exercise - 8.1 Q-1,2,3,4	CONCEPT ATTAINMENT	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
WEDNESDAY	108	Sequence and Series	Exercise - 8.1 Q-5,6,7,8	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	



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DATE	DAY	Lesson No. Name	Block Name / Sub-Topic & Keywords	Teaching Strategy					
THURSDAY	109	Sequence and Series	Exercise - 8.1 Q-9,10,11,12	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
FRIDAY	110	Sequence and Series	Concepts of Topics 50%	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
SATURDAY	111	Solving PYQ of CBSE, JEE & NDA							
SUNDAY	112	Complete all your pending homework, and review all the questions we have learned so far.							
MONDAY	113	Sequence and Series	Exercise - 8.2 Q-1,2,3,4	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
TUESDAY	114	Sequence and Series	Exercise - 8.2 Q-5,6,7,8	CONCEPT ATTAINMENT	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
WEDNESDAY	115	Sequence and Series	Exercise - 8.2 Q-9,10,11,12	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
THURSDAY	116	Sequence and Series	Exercise - 8.2 Q-13,14	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
FRIDAY	117	Sequence and Series	Exercise - 8.2 Q-15,16	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
SATURDAY	118	Solving PYQ of CBSE, JEE & NDA							
SUNDAY	119	Complete all your pending homework, and review all the questions we have learned so far.							
MONDAY	120	Sequence and Series	Exercise - 8.2 Q-17,18,19,20	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
TUESDAY	121	Sequence and Series	Exercise - 8.2 Q-21,22,23,24	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
WEDNESDAY	122	Sequence and Series	Exercise - 8.2 Q-25,26,27,28	CONCEPT ATTAINMENT	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
THURSDAY	123	Sequence and Series	Exercise - 8.2 Q-29,30	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
FRIDAY	124	Sequence and Series	Exercise - 8.2 Q-31,32	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
SATURDAY	125	Solving PYQ of CBSE, JEE & NDA							
SUNDAY	126	Complete all your pending homework, and review all the questions we have learned so far.							
MONDAY	127	Straight Lines	Concepts of Topics 50%	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
TUESDAY	128	Straight Lines	Concepts of Topics 50%	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
WEDNESDAY	129	Straight Lines	Exercise - 9.1 Q-1,2,3	THINK PAIR AND SHARE	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
THURSDAY	130	Straight Lines	Exercise - 9.1 Q-4,5,6	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
FRIDAY	131	Straight Lines	Exercise - 9.1 Q-7,8,9	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
SATURDAY	132	Solving PYQ of CBSE, JEE & NDA							
SUNDAY	133	Complete all your pending homework, and review all the questions we have learned so far.							
MONDAY	134	Straight Lines	Exercise - 9.1 Q-10,11	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
TUESDAY	135	Straight Lines	Exercise - 9.2 Q-1,2,3,4	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	



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DATE	DAY	Lesson No. Name	Block Name / Sub-Topic & Keywords	Teaching Strategy					
WEDNESDAY	136	Straight Lines	Exercise - 9.2 Q-5,6,7,8	THINK PAIR AND SHARE	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
THURSDAY	137	Straight Lines	Exercise - 9.2 Q-9,10,11,12	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
FRIDAY	138	Straight Lines	Exercise - 9.2 Q-13,14,15,16	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
SATURDAY	139	Solving PYQ of CBSE, JEE & NDA							
SUNDAY	140	Complete all your pending homework, and review all the questions we have learned so far.							
MONDAY	141	Straight Lines	Exercise - 9.2 Q-17,18,19	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
TUESDAY	142	Straight Lines	Exercise - 9.3 Q-1,2,3,4	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
WEDNESDAY	143	Straight Lines	Exercise - 9.3 Q-5,6,7,8	THINK PAIR AND SHARE	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
THURSDAY	144	Straight Lines	Exercise - 9.3 Q-9,10,11,12	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
FRIDAY	145	Straight Lines	Exercise - 9.3 Q-13,14,15,16	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
SATURDAY	146	Solving PYQ of CBSE, JEE & NDA							
SUNDAY	147	Complete all your pending homework, and review all the questions we have learned so far.							
MONDAY	148	Straight Lines	Exercise - 9.3 Q-17	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
TUESDAY	149	Conic Section	Concepts of Topics 50%	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
WEDNESDAY	150	Conic Section	Concepts of Topics 50%	CONCEPT ATTAINMENT	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
THURSDAY	151	Conic Section	Exercise - 10.1 Q-1,2,3,4	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
FRIDAY	152	Conic Section	Exercise - 10.1 Q-5,6,7,8	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
SATURDAY	153	Solving PYQ of CBSE, JEE & NDA							
SUNDAY	154	Complete all your pending homework, and review all the questions we have learned so far.							
MONDAY	155	Conic Section	Exercise - 10.1 Q-9,10,11	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
TUESDAY	156	Conic Section	Exercise - 10.1 Q-12,13	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
WEDNESDAY	157	Conic Section	Exercise - 10.1 Q-14,15	THINK PAIR AND SHARE	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
THURSDAY	158	Conic Section	Exercise - 10.2 Q-1,2,3,4	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
FRIDAY	159	Conic Section	Exercise - 10.2 Q-5,6,7,8	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
SATURDAY	160	Solving PYQ of CBSE, JEE & NDA							
SUNDAY	161	Complete all your pending homework, and review all the questions we have learned so far.							
MONDAY	162	Conic Section	Exercise - 10.2 Q-9,10,11,12	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	



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Grade : XI	Subject: MATHEMATICS		Name of Teacher: Suraj Kumar Prasad		Time Management	Questioning to check comprehension or Inducing thinking. (Planary Activity)	Learning Outcomes	Home Work	Remarks
DATE	DAY	Lesson No. Name	Block Name / Sub-Topic & Keywords	Teaching Strategy					
MONDAY	190	Limits and Derivatives	Exercise - 1.2.1 Q-13,14,15,16	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
TUESDAY	191	Limits and Derivatives	Exercise - 1.2.1 Q-17,18,19,20	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
WEDNESDAY	192	Limits and Derivatives	Exercise - 1.2.1 Q-21,22,23,24	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
THURSDAY	193	Limits and Derivatives	Exercise - 1.2.1 Q-25,26,27,28	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
FRIDAY	194	Limits and Derivatives	Exercise - 1.2.1 Q-29,30,31,32	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
SATURDAY	195	Solving PYQ of CBSE, JEE & NDA							
SUNDAY	196	Complete all your pending homework, and review all the questions we have learned so far.							
MONDAY	197	Limits and Derivatives	Exercise - 1.2.2 Q-1,2,3,4	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
TUESDAY	198	Limits and Derivatives	Exercise - 1.2.2 Q-5,6,7,8	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
WEDNESDAY	199	Limits and Derivatives	Exercise - 1.2.2 Q-9,10,11	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
THURSDAY	200	Statistics	Concepts of Topics 50%	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
FRIDAY	201	Statistics	Concepts of Topics 50%	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
SATURDAY	202	Solving PYQ of CBSE, JEE & NDA							
SUNDAY	203	Complete all your pending homework, and review all the questions we have learned so far.							
MONDAY	204	Statistics	Exercise - 1.3.1 Q-1,2	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
TUESDAY	205	Statistics	Exercise - 1.3.1 Q-3,4	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
WEDNESDAY	206	Statistics	Exercise - 1.3.1 Q-5,6	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
THURSDAY	207	Statistics	Exercise - 1.3.1 Q-7,8	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
FRIDAY	208	Statistics	Exercise - 1.3.1 Q-9,10	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
SATURDAY	209	Solving PYQ of CBSE, JEE & NDA							
SUNDAY	210	Complete all your pending homework, and review all the questions we have learned so far.							
MONDAY	211	Statistics	Exercise - 1.3.1 Q-11,12	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
TUESDAY	212	Statistics	Exercise - 1.3.2 Q-1,2	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
WEDNESDAY	213	Statistics	Exercise - 1.3.2 Q-3,4	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
THURSDAY	214	Statistics	Exercise - 1.3.2 Q-5,6	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
FRIDAY	215	Statistics	Exercise - 1.3.2 Q-7,8	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem	
SATURDAY	216	Solving PYQ of CBSE, JEE & NDA							



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Grade : XII	Subject: MATHEMATICS		Name of Teacher: Suraj Kumar Prasad		Time Management	Questioning to check comprehension or Inducing thinking. (Planery Activity)	Learning Outcomes	Home Work
DATE	DAY	Lesson No. Name	Block Name / Sub-Topic & Keywords	Teaching Strategy				
MONDAY	1	Relation and Function	Concepts of Topics 50%	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Slow Learners will get some idea about the chapter	Worksheet Problem
TUESDAY	2	Relation and Function	Concepts of Topics 50%	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Slow Learners will get some idea about the chapter	Worksheet Problem
WEDNESDAY	3	Relation and Function	Exercise - 1.1 Q-1,2	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	4	Relation and Function	Exercise - 1.1 Q-3,4,5	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	5	Relation and Function	Exercise - 1.1 Q-6,7,8	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	6	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	7	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	8	Relation and Function	Exercise - 1.1 Q-9,10,11	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	9	Relation and Function	Exercise - 1.1 Q-12,13,14	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	10	Relation and Function	Exercise - 1.1 Q-15,16	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	11	Relation and Function	Exercise - 1.2 Q-1,2,3	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	12	Relation and Function	Exercise - 1.2 Q-4,5,6	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	13	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	14	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	15	Relation and Function	Exercise - 1.2 Q-7,8,9	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	16	Relation and Function	Exercise - 1.2 Q-10,11,12	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	17	Inverse Trigonometric Function	Concepts of Topics 50%	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Slow Learners will get some idea about the chapter	Worksheet Problem
THURSDAY	18	Inverse Trigonometric Function	Exercise - 2.1 Q-1,2,3,4	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	19	Inverse Trigonometric Function	Exercise - 2.1 Q-5,6,7,8	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	20	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	21	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	22	Inverse Trigonometric Function	Exercise - 2.1 Q-9,10,11,12	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem



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DATE	DAY	Lesson No. Name	Block Name / Sub-Topic & Keywords	Teaching Strategy				
TUESDAY	23	Inverse Trigonometric Function	Exercise - 2.2 Q-1,2,3,4	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	24	Inverse Trigonometric Function	Exercise - 2.2 Q-5,6,7,8	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	25	Inverse Trigonometric Function	Exercise - 2.2 Q-9,10,11,12	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	26	Inverse Trigonometric Function	Exercise - 2.2 Q-13,14,15	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	27	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	28	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	29	Matrices	Concepts of Topics 50%	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Slow Learners will get some idea about the chapter	Worksheet Problem
TUESDAY	30	Matrices	Concepts of Topics 50%	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Slow Learners will get some idea about the chapter	Worksheet Problem
WEDNESDAY	31	Matrices	Exercise - 3.1 Q-1,2,3	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	32	Matrices	Exercise - 3.1 Q-4,5,6	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	33	Matrices	Exercise - 3.1 Q-7,8,9	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	34	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	35	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	36	Matrices	Exercise - 3.1 Q-10	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	37	Matrices	Exercise - 3.2 Q-1,2,3	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	38	Matrices	Exercise - 3.2 Q-4,5,6	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	39	Matrices	Exercise - 3.2 Q-7,8,9	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	40	Matrices	Exercise - 3.2 Q-10,11,12	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	41	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	42	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	43	Matrices	Exercise - 3.2 Q-13,14,15	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	44	Matrices	Exercise - 3.2 Q-16,17,18	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem



DAY WISE MICRO SCHEDULE FOR MATHEMATICS, GRADE - 12 (SESSION 2025-2026)

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Grade : XII	Subject: MATHEMATICS		Name of Teacher: Suraj Kumar Prasad		Time Management	Questioning to check comprehension or Inducing thinking. (Planery Activity)	Learning Outcomes	Home Work
DATE	DAY	Lesson No. Name	Block Name / Sub-Topic & Keywords	Teaching Strategy				
WEDNESDAY	45	Matrices	Exercise - 3.2 Q-19,20,21,22	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	46	Matrices	Exercise - 3.3 Q-1,2,3	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	47	Matrices	Exercise - 3.3 Q-4,5,6	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	48	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	49	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	50	Matrices	Exercise - 3.3 Q-7,8,9	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	51	Matrices	Exercise - 3.3 Q-10,11,12	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	52	Matrices	Exercise - 3.4 Q-1	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	53	Determinants	Concepts of Topics 50%	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Slow Learners will get some idea about the chapter	Worksheet Problem
FRIDAY	54	Determinants	Concepts of Topics 50%	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Slow Learners will get some idea about the chapter	Worksheet Problem
SATURDAY	55	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	56	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	57	Determinants	Exercise - 4.1 Q-1,2,3	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	58	Determinants	Exercise - 4.1 Q-4,5,6,7,8	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	59	Determinants	Exercise - 4.2 Q-1,2,3	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	60	Determinants	Exercise - 4.2 Q-4,5	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	61	Determinants	Exercise - 4.3 Q-1,2	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	62	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	63	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	64	Determinants	Exercise - 4.3 Q-3,4,5	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	65	Determinants	Exercise - 4.4 Q-1,2,3	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	66	Determinants	Exercise - 4.4 Q-4,5,6	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem



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DATE	DAY	Lesson No. Name	Block Name / Sub-Topic & Keywords	Teaching Strategy				
THURSDAY	67	Determinants	Exercise - 4.4 Q-7,8,9	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	68	Determinants	Exercise - 4.4 Q-10,11,12	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	69	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	70	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	71	Determinants	Exercise - 4.4 Q-13,14,15,16	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	72	Determinants	Exercise - 4.5 Q-1,2,3	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	73	Determinants	Exercise - 4.5 Q-4,5,6	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	74	Determinants	Exercise - 4.5 Q-7,8,9	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	75	Determinants	Exercise - 4.5 Q-10,11,12	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	76	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	77	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	78	Determinants	Exercise - 4.5 Q-13,14,15,16	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	79	Continuity and Differentiability	Concepts of Topics 50%	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Slow Learners will get some idea about the chapter	Worksheet Problem
WEDNESDAY	80	Continuity and Differentiability	Concepts of Topics 50%	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Slow Learners will get some idea about the chapter	Worksheet Problem
THURSDAY	81	Continuity and Differentiability	Exercise - 5.1 Q-1,2,3,4	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	82	Continuity and Differentiability	Exercise - 5.1 Q-5,6,7,8	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	83	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	84	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	85	Continuity and Differentiability	Exercise - 5.1 Q-9,10,11,12	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	86	Continuity and Differentiability	Exercise - 5.1 Q-13,14,15,16	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	87	Continuity and Differentiability	Exercise - 5.1 Q-17,18,19,20	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	88	Continuity and Differentiability	Exercise - 5.1 Q-21,22,23,24	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem



DAY WISE MICRO SCHEDULE FOR MATHEMATICS, GRADE - 12 (SESSION 2025-2026)

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Grade : XII	Subject: MATHEMATICS		Name of Teacher: Suraj Kumar Prasad		Time Management	Questioning to check comprehension or Inducing thinking. (Planery Activity)	Learning Outcomes	Home Work
DATE	DAY	Lesson No. Name	Block Name / Sub-Topic & Keywords	Teaching Strategy				
FRIDAY	89	Continuity and Differentiability	Exercise - 5.1 Q-25,26,27,28	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	90	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	91	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	92	Continuity and Differentiability	Exercise - 5.1 Q-29,30,31,32	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	93	Continuity and Differentiability	Exercise - 5.1 Q-33,34	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	94	Continuity and Differentiability	Exercise - 5.2 Q-1,2,3	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	95	Continuity and Differentiability	Exercise - 5.2 Q-4,5,6,7	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	96	Continuity and Differentiability	Exercise - 5.2 Q-8,9,10	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	97	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	98	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	99	Continuity and Differentiability	Exercise - 5.3 Q-1,2,3	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	100	Continuity and Differentiability	Exercise - 5.3 Q-4,5,6	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	101	Continuity and Differentiability	Exercise - 5.3 Q-7,8,9	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	102	Continuity and Differentiability	Exercise - 5.3 Q-10,11,12	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	103	Continuity and Differentiability	Exercise - 5.3 Q-13,14,15	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	104	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	105	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	106	Continuity and Differentiability	Exercise - 5.4 Q-1,2,3	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	107	Continuity and Differentiability	Exercise - 5.4 Q-4,5,6	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	108	Continuity and Differentiability	Exercise - 5.4 Q-7,8,9,10	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	109	Continuity and Differentiability	Exercise - 5.5 Q-1,2,3,4	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	110	Continuity and Differentiability	Exercise - 5.5 Q-5,6,7,8	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem

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Grade : XII	Subject: MATHEMATICS		Name of Teacher: Suraj Kumar Prasad		Time Management	Questioning to check comprehension or Inducing thinking. (Planery Activity)	Learning Outcomes	Home Work
DATE	DAY	Lesson No. Name	Block Name / Sub-Topic & Keywords	Teaching Strategy				
MONDAY	155	Integrals	Concepts of Topics 50%	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Slow Learners will get some idea about the chapter	Worksheet Problem
TUESDAY	156	Integrals	Concepts of Topics 50%	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Slow Learners will get some idea about the chapter	Worksheet Problem
WEDNESDAY	157	Integrals	Exercise - 7.1 Q-1,2,3,4	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	158	Integrals	Exercise - 7.1 Q-5,6,7,8	CONCEPT ATTAINMENT	10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	159	Integrals	Exercise - 7.1 Q-9,10,11,12	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	160	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	161	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	162	Integrals	Exercise - 7.1 Q-13,14,15,16	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	163	Integrals	Exercise - 7.1 Q-17,18,19	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	164	Integrals	Exercise - 7.1 Q-20,21,22	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	165	Integrals	Exercise - 7.2 Q-1,2,3,4	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	166	Integrals	Exercise - 7.2 Q-5,6,7,8	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	167	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	168	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	169	Integrals	Exercise - 7.3 Q-9,10,11,12	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	170	Integrals	Exercise - 7.3 Q-13,14,15,16	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	171	Integrals	Exercise - 7.3 Q-17,18,19,20	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	172	Integrals	Exercise - 7.3 Q-21,22,23,24	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	173	Integrals	Exercise - 7.4 Q-1,2,3,4	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	174	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	175	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	176	Integrals	Exercise - 7.4 Q-5,6,7,8	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem



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DATE	DAY	Lesson No. Name	Block Name / Sub-Topic & Keywords	Teaching Strategy				
TUESDAY	177	Integrals	Exercise - 7.4 Q-9,10,11,12	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	178	Integrals	Exercise - 7.4 Q-13,14,15,16	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	179	Integrals	Exercise - 7.4 Q-17,18,19,20	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	180	Integrals	Exercise - 7.4 Q-21,22,23,24	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	181	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	182	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	183	Integrals	Exercise - 7.5 Q-1,2,3,4	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	184	Integrals	Exercise - 7.5 Q-5,6,7,8	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	185	Integrals	Exercise - 7.5 Q-9,10,11,12	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	186	Integrals	Exercise - 7.5 Q-13,14,15,16	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	187	Integrals	Exercise - 7.5 Q-17,18,19,20	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	188	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	189	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	190	Integrals	Exercise - 7.5 Q-21,22,23	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	191	Integrals	Exercise - 7.6 Q-1,2,3,4	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	192	Integrals	Exercise - 7.6 Q-5,6,7,8	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	193	Integrals	Exercise - 7.6 Q-9,10,11,12	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	194	Integrals	Exercise - 7.6 Q-13,14,15,16	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	195	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	196	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	197	Integrals	Exercise - 7.6 Q-17,18,19,20	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	198	Integrals	Exercise - 7.6 Q-21,22,23,24	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem



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DATE	DAY	Lesson No. Name	Block Name / Sub-Topic & Keywords	Teaching Strategy				
WEDNESDAY	199	Integrals	Exercise - 7.7 Q-1,2,3,4	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	200	Integrals	Exercise - 7.7 Q-5,6,7,8	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	201	Integrals	Exercise - 7.7 Q-9,10,11	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	202	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	203	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	204	Integrals	Exercise - 7.8 Q-1,2,3,4	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	205	Integrals	Exercise - 7.8 Q-5,6,7,8	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	206	Integrals	Exercise - 7.8 Q-9,10,11,12	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	207	Integrals	Exercise - 7.8 Q-13,14,15,16	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	208	Integrals	Exercise - 7.8 Q-17,18,19	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	209	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	210	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	211	Integrals	Exercise - 7.8 Q-20,21,22	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	212	Integrals	Exercise - 7.9 Q-1,2,3,4	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	213	Integrals	Exercise - 7.9 Q-5,6,7,8	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	214	Integrals	Exercise - 7.9 Q-9,10	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	215	Integrals	Exercise - 7.10 Q-1,2,3,4	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	216	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	217	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	218	Integrals	Exercise - 7.10 Q-5,6,7,8	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	219	Integrals	Exercise - 7.10 Q-9,10,11,12	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	220	Integrals	Exercise - 7.10 Q-13,14,15,16	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem



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DATE	DAY	Lesson No. Name	Block Name / Sub-Topic & Keywords	Teaching Strategy				
THURSDAY	221	Integrals	Exercise - 7.10 Q-17,18,19	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	222	Integrals	Exercise - 7.10 Q-20,21	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	223	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	224	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	225	Application of Integrals	Concepts of Topics 50%	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Slow Learners will get some idea about the chapter	Worksheet Problem
TUESDAY	226	Application of Integrals	Concepts of Topics 50%	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Slow Learners will get some idea about the chapter	Worksheet Problem
WEDNESDAY	227	Application of Integrals	Exercise - 8.1 Q-1,2	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	228	Application of Integrals	Exercise - 8.1 Q-3.4	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	229	Differential Equations	Concepts of Topics 50%	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Slow Learners will get some idea about the chapter	Worksheet Problem
SATURDAY	230	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	231	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	232	Differential Equations	Concepts of Topics 50%	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Slow Learners will get some idea about the chapter	Worksheet Problem
TUESDAY	233	Differential Equations	Exercise - 9.1 Q-1,2,3,4	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	234	Differential Equations	Exercise - 9.1 Q-5,6,7,8	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	235	Differential Equations	Exercise - 9.1 Q-9,10,11,12	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	236	Differential Equations	Exercise - 9.2 Q-1,2,3,4	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	237	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	238	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	239	Differential Equations	Exercise - 9.2 Q-5,6,7,8	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	240	Differential Equations	Exercise - 9.2 Q-9,10,11,12	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	241	Differential Equations	Exercise - 9.3 Q-1,2,3,4	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	242	Differential Equations	Exercise - 9.3 Q-5,6,7,8	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem



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DATE	DAY	Lesson No. Name	Block Name / Sub-Topic & Keywords	Teaching Strategy				
FRIDAY	243	Differential Equations	Exercise - 9.3 Q-9,10,11,12	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	244	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	245	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	246	Differential Equations	Exercise - 9.3 Q-13,14,15,16	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	247	Differential Equations	Exercise - 9.3 Q-17,18,19,20	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	248	Differential Equations	Exercise - 9.3 Q-21,22,23	FACT FIRST QUESTIONING	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	249	Differential Equations	Exercise - 9.4 Q-1,2,3,4	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	250	Differential Equations	Exercise - 9.4 Q-5,6,7,8	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	251	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	252	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	253	Differential Equations	Exercise - 9.4 Q-9,10,11,12	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	254	Differential Equations	Exercise - 9.4 Q-13,14,15	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	255	Differential Equations	Exercise - 9.4 Q-16,17	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	256	Differential Equations	Exercise - 9.5 Q-1,2,3,4	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	257	Differential Equations	Exercise - 9.5 Q-5,6,7,8	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	258	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	259	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	260	Differential Equations	Exercise - 9.5 Q-9,10,11,12	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	261	Differential Equations	Exercise - 9.5 Q-13,14,15,16	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	262	Differential Equations	Exercise - 9.5 Q-17,18,19	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	263	Vector Algebra	Concepts of Topics 50%	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Slow Learners will get some idea about the chapter	Worksheet Problem
FRIDAY	264	Vector Algebra	Concepts of Topics 50%	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Slow Learners will get some idea about the chapter	Worksheet Problem



Grade : XII	Subject: MATHEMATICS		Name of Teacher: Suraj Kumar Prasad		Time Management	Questioning to check comprehension or Inducing thinking. (Planery Activity)	Learning Outcomes	Home Work
DATE	DAY	Lesson No. Name	Block Name / Sub-Topic & Keywords	Teaching Strategy				
SATURDAY	265	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	266	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	267	Vector Algebra	Exercise - 10.1 Q-1,2,3	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
TUESDAY	268	Vector Algebra	Exercise - 10.1 Q-4,5	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
WEDNESDAY	269	Vector Algebra	Exercise - 10.2 Q-1,2,3,4	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
THURSDAY	270	Vector Algebra	Exercise - 10.2 Q-5,6,7,8	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
FRIDAY	271	Vector Algebra	Exercise - 10.2 Q-9,10,11,12	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
SATURDAY	272	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	273	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	274	Vector Algebra	Exercise - 10.2 Q-13,14,15	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
TUESDAY	275	Vector Algebra	Exercise - 10.2 Q-16,17,18,19	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
WEDNESDAY	276	Vector Algebra	Exercise - 10.3 Q-1,2,3,4	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
THURSDAY	277	Vector Algebra	Exercise - 10.3 Q-5,6,7,8	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
FRIDAY	278	Vector Algebra	Exercise - 10.3 Q-9,10,11,12	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
SATURDAY	279	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	280	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	281	Vector Algebra	Exercise - 10.3 Q-13,14,15	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
TUESDAY	282	Vector Algebra	Exercise - 10.3 Q-16,17,18	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
WEDNESDAY	283	Vector Algebra	Exercise - 10.4 Q-1,2,3,4	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
THURSDAY	284	Vector Algebra	Exercise - 10.4 Q-5,6,7,8	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
FRIDAY	285	Vector Algebra	Exercise - 10.4 Q-9,10,11,12	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
SATURDAY	286	Solving PYQ of CBSE, JEE & NDA						



Grade : XII	Subject: MATHEMATICS		Name of Teacher: Suraj Kumar Prasad		Time Management	Questioning to check comprehension or Inducing thinking. (Planery Activity)	Learning Outcomes	Home Work
DATE	DAY	Lesson No. Name	Block Name / Sub-Topic & Keywords	Teaching Strategy				
SUNDAY	287	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	288	Three Dimensional Geometry	Concepts of Topics 50%	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem <u>10 Minutes for Revision and Doubts</u>	Focused on the Concept to solve Exercise Problems	Slow Learners will get some idea about the chapter	Worksheet Problem
TUESDAY	289	Three Dimensional Geometry	Concepts of Topics 50%	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem <u>10 Minutes for Revision and Doubts</u>	Focused on the Concept to solve Exercise Problems	Slow Learners will get some idea about the chapter	Worksheet Problem
WEDNESDAY	290	Three Dimensional Geometry	Exercise - 11.1 Q-1,2,3	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem <u>10 Minutes for Revision and Doubts</u>	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	291	Three Dimensional Geometry	Exercise - 11.1 Q-4,5	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem <u>10 Minutes for Revision and Doubts</u>	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	292	Three Dimensional Geometry	Exercise - 11.2 Q-1,2,3	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem <u>10 Minutes for Revision and Doubts</u>	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
SATURDAY	293	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	294	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	295	Three Dimensional Geometry	Exercise - 11.2 Q-4,5,6	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem <u>10 Minutes for Revision and Doubts</u>	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
TUESDAY	296	Three Dimensional Geometry	Exercise - 11.2 Q-7,8,9	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem <u>10 Minutes for Revision and Doubts</u>	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	297	Three Dimensional Geometry	Exercise - 11.2 Q-10,11,12	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem <u>10 Minutes for Revision and Doubts</u>	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	298	Three Dimensional Geometry	Exercise - 11.2 Q-13,14,15	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem <u>10 Minutes for Revision and Doubts</u>	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	299	Linear Programming	Concepts of Topics 50%	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem <u>10 Minutes for Revision and Doubts</u>	Focused on the Concept to solve Exercise Problems	Slow Learners will get some idea about the chapter	Worksheet Problem
SATURDAY	300	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	301	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	302	Linear Programming	Concepts of Topics 50%	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem <u>10 Minutes for Revision and Doubts</u>	Focused on the Concept to solve Exercise Problems	Slow Learners will get some idea about the chapter	Worksheet Problem
TUESDAY	303	Linear Programming	Exercise - 12.1 Q-1,2,3	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem <u>10 Minutes for Revision and Doubts</u>	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
WEDNESDAY	304	Linear Programming	Exercise - 12.1 Q-4,5,6	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem <u>10 Minutes for Revision and Doubts</u>	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
THURSDAY	305	Linear Programming	Exercise - 12.1 Q-7,8,9,10	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem <u>10 Minutes for Revision and Doubts</u>	Solve Exercise Problems	Every Students will be familiar of the numerals	Worksheet Problem
FRIDAY	306	Probability	Concepts of Topics 50%	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem <u>10 Minutes for Revision and Doubts</u>	Focused on the Concept to solve Exercise Problems	Slow Learners will get some idea about the chapter	Worksheet Problem
SATURDAY	307	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	308	Complete all your pending homework, and review all the questions we have learned so far.						



Grade : XII	Subject: MATHEMATICS		Name of Teacher: Suraj Kumar Prasad		Time Management	Questioning to check comprehension or Inducing thinking. (Planery Activity)	Learning Outcomes	Home Work
DATE	DAY	Lesson No. Name	Block Name / Sub-Topic & Keywords	Teaching Strategy				
MONDAY	309	Probability	Concepts of Topics 50%	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Focused on the Concept to solve Exercise Problems	Slow Learners will get some idea about the chapter	Worksheet Problem
TUESDAY	310	Probability	Exercise - 13.1 Q-1,2,3	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
WEDNESDAY	311	Probability	Exercise - 13.1 Q-4,5,6	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
THURSDAY	312	Probability	Exercise - 13.1 Q-7,8,9,10	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
FRIDAY	313	Probability	Exercise - 13.1 Q-11,12,13,14	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
SATURDAY	314	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	315	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	316	Probability	Exercise - 13.1 Q-15,16,17	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
TUESDAY	317	Probability	Exercise - 13.2 Q-1,2,3	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
WEDNESDAY	318	Probability	Exercise - 13.2 Q-4,5,6	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
THURSDAY	319	Probability	Exercise - 13.2 Q-7,8,9,10	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
FRIDAY	320	Probability	Exercise - 13.2 Q-11,12,13,14	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
SATURDAY	321	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	322	Complete all your pending homework, and review all the questions we have learned so far.						
MONDAY	323	Probability	Exercise - 13.2 Q-15,16,17,18	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
TUESDAY	324	Probability	Exercise - 13.3 Q-1,2,3	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
WEDNESDAY	325	Probability	Exercise - 13.3 Q-4,5,6	FACT FIRST QUESTIONING	21 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
THURSDAY	326	Probability	Exercise - 13.3 Q-7,8,9,10	CONCEPT ATTAINMENT	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
FRIDAY	327	Probability	Exercise - 13.3 Q-11,12,13,14	THINK PAIR AND SHARE	20 Minutes for Explanation 10 Minutes for Similar Problem 10 Minutes for Revision and Doubts	Solve Exercise Problems	Every Students will be familiar of the numerials	Worksheet Problem
SATURDAY	328	Solving PYQ of CBSE, JEE & NDA						
SUNDAY	329	Complete all your pending homework, and review all the questions we have learned so far.						