तेजस्विना वधीतुमस्तु

**SIR PADAMPAT SINGHANIA
EDUCATION CENTRE**

Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Lesson Plan
Session 2025- 2026
Class: 11th

Subject   :APPLIED MATHEMATICS
Book   : By M.L. Agarwal

Subject Coordinator   **Head of Department**
Name: Mr. Animesh Bhattacharya   Name :Mr. Sanjay Sharma

Sign: Sign:

Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Yearly Syllabus/Planning overview
Session: 2025 - 2026

Subject : APPLIED MATHEMATICS   **Class :** 11th   **No. of periods** : 192

Month	Assessed in	Lesson/s to be covered (if partly covered, till where?)	Period Count
April	1ST TEST HY , annual Exam	Chapter–1: Units and Measurements	12
May	1ST TEST HY , annual Exam	Chapter–2: Motion in a Straight Line	25
July	HY , Annual Exam	Chapter–3: Motion in a Plane Chapter–4: Laws of Motion	25
August	HY , Annual Exam	Chapter–5: Work, Energy and Power Chapter–6: System of Particles and Rotational Motion	25
September	PT2, Annual Exam	Chapter–7: Gravitation Chapter–8: Mechanical Properties of Solids	23
October	PT2, Annual Exam	Chapter–9: Mechanical Properties of Fluids Chapter–10: Thermal Properties of Matter	20
November	Annual Exam	Chapter–11: Thermodynamics Chapter–12: Kinetic Theory	20
December	Annual Exam	Chapter–13: Oscillations	25
January	Annual Exam	Chapter–14: Waves	17
February		Revision	

Subject coordinator: ABY   HOD: SKS

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Monthly lesson plan overview
Session: 2025 - 2026

From Date : 16/04/25   To Date   : 31/01/26
Subject   : APPLIED MATHEMATICS   Class : 11th
Book   : By M.L. Agarwal   No. of periods   :

Date/Week		Lesson/s to be covered in classroom	Period Count	Status (Yes/No) (Reason if No)	Principal's Sign
From	**To**				
16/4/25	19/4/25	Express decimal numbers in binary system, Express binary numbers in decimal system.	4		
21/4/25	26/4/25	Relate indices and logarithm /antilogarithm. ● Find logarithm and antilogarith	6		
28/4/25	03/5/25	● ● Find logarithm and antilogarith ● Apply laws of logarithm.	6		
05/5/25	10/5/25	Simple applications of logarithm and Antilogarithm. ● Use logarithm in different applications.	6		
12/5/25	17/5/25	Clock ● Evaluate the angular value of a minute ● Calculate the angle formed between two hands of clock at given time ● Calculate the time for which hands of clock Meet.	6		
19/5/25	24/5/25	Calendar ● Determine Odd days in a month/ year/ century ● Decode the day for the given date.	6		
26/5/25	31/5/25	Time, Work and Distance ● Establish the relationship between work and time ● Compare the work done by the individual / group w.r.t. time ● Calculate the time taken/ distance covered/ Work done from the given data	6		
1/7/25	5/7/25	Introduction to sets – definition ● Define set as welldefined collection of objects Representation of sets ● Represent a set in Roster form and Set builder form	6		
7/7/25	12/7/25	Enlist all subsets of a ●Subsets set Find number of subsets ● of a given set Find number of ● elements of a power set Types of sets and their notations Identify	5		

From	To		Period Count		
		different types• of sets on the basis of number of elements in the set Differentiate between• equal set and equivalence set			
14/7/25	19/7/25	Express subset of real •Intervals numbers as intervals Apply the concept of•Venn diagrams Venn diagram to understand the relationship between sets Solve problems using• Venn diagram rations on sets Perform operations on • sets to solve practical problems	6		
21/7/25	26/7/25	Ordered pairs Cartesian product of two sets Explain the significance • of specific arrangement of elements in a pair Write Cartesian product • of two sets Find the number of • elements in a Cartesian product of two sets	6		
28/7/25	02/8/25	Sequence and Series Arithmetic Progression Geometric Progression Applications of AP and GP	6		

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Monthly lesson plan overview
Session: 2025- 2025

From Date : 16/04/25   **To Date** :31 /01/25
Subject : APPLIED MATHEMATICS   **Class** : 11th
Book : **By M.L. Agarwal**   **No. of periods** :

Date/Week		Lesson/s to be covered in classroom	Period Count	Status (Yes/No) (Reason if No)	Principal's Sign
From	**To**				
04/8/25	8/8/25	Factorial Fundamental Principle of Counting Permutations	5		
11/8/25	14/8/25	Combinations Logical reasoning	4		
18/8/25	23/8/25	Functions, Domain and Range of a function, Types of functions and their graphical representation, Concepts of limits and continuity of a function	6		

25/8/25	30/8/25	Concepts of limits and continuity of a function Instantaneous rate of change5 Differentiation as a process of finding derivative	6		
01/9/25	6/9/25	Derivatives of algebraic functions using Chain Rule	6		
8/9/25	13/09/25	**Half yearly Examinations**	6		
15/09/25	20/09/25	**Half Yearly Examinations**	6		
22/9/25	27/9/25	Introduction ● Appreciate the use of probability in daily life situations Random experiment and sample space ● Define random experiment and sample space with suitable examples	5		
06/10/25	11/10/25	Conditional Probability Define the concept of● conditional probability ● Apply reasoning skills to solve problems based on conditional probability Conditional Probability Define the concept of● conditional probability ● Apply reasoning skills to solve problems based on conditional probability	6		
14/10/25	19/10/25	Data Interpretation – Measure of Dispersion ● Understand meaning of dispersion in a data set ● Differentiate between range, quartile deviation, mean deviation and standard deviation ●	6		
13/10/25	18/10/25	Calculate range, quartile deviation, mean deviation and standard deviation for ungrouped and grouped data set ● Choose appropriate measure of dispersion to calculate spread of data	6		
24/10/25	31/10/25	Correlation ● Define correlation in values of two data sets ● Calculate Spearman's rank correlation for ungrouped data ● Interpret the coefficient of correlation	6		
01/11/25	08/11/25	Interest and Interest Rates ● Define the concept of Interest Rates ● Compare the difference between Nominal Interest Rate, Effective Rate and Real Interest Rate ● Solve Practical applications of interest rate	6		
10/11/25	15/11/25	Accumulation with simple and compound interest ● Interpret the concept of simple and compound interest ● Calculate Simple Interest and Compound Interest	6		

17/11/25	22/11/25	. Simple and compound interest rates with equivalency ● Explain the meaning, nature and concept of equivalency ● Analyze various examples for understanding annual equivalency rate	6		

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Monthly lesson plan overview
Session: 2025 - 2026

From Date : 01/04/25   To Date   :31 /01/25
Subject   : APPLIED MATHEMATICS   Class   : 11th
Book   : **By M.L. Agarwal**   No. of periods   :

Date/Week		Lesson/s to be covered in classroom	Period Count	Status (Yes/No) (Reason if No)	Principal's Sign
From	To				
24/11/25	29/11/25	Effective rate of interest ● Define with examples the concept of effective rate of interest	6		
01/12/25	06/12/25	Annuities, Calculating value of Regular Annuity ●Explain the concept of Immediate Annuity, Annuity due and Deferred Annuity ● Calculate General Annuity	6		
08/12/25	13/12/25	Simple applications of regular annuities (up to 3 period) ●Calculate the future value of regular annuity, annuity due ●Apply the concept of Annuity in real life situations	6		
15/12/25	20/12/25	Tax, calculation of tax, simple applications of tax calculation in Goods and service tax, Income Tax Explain fundamentals of• taxation Differentiate between• Direct and indirect tax Define and explain GST• Calculate GST• Explain rules under• State Goods and Services Tax (SGST) Central Goods and Services Tax (CGST) and Union Territory. Goods and Services Tax (UTGST)	6		
26/12/25	31/12/25	Bills, tariff rates, fixed charge, surcharge, service charge Describe the meaning• of bills and its various types Analyze the meaning• and rules determining tariff rates ● Explain the concept of fixed charge	6		
06/01/26	10/01/26	Calculation and interpretation of electricity bill, water supply bill and other supply bills To interpret and analyze• electricity bills, water bills and	5		

		other supply bills ● Evaluate how to calculate units consumed under electricity bills/water bill				
12/01/26	17/01/26	Straight line ● Find the slope and equation of line in various form ● Find angle between the two lines ● Find the perpendicular distance of a given point from a line ● Find the distance between two parallel lines.	6			
19/01/26	24/01/26	Circle ● Define a circle ● Find different form of equations of a circle ● Solve problems based on applications of circle	6			
27/01/26	31/01/26	● Define parabola and related terms ● Parabola as a locus of a point in a plane. ● Equation of a parabola in standard form.	5			
		REVISION				

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Weekly planning overview
Session: 2025 - 2026

Subject : APPLIED MATHEMATICS   **Class** : 11th **No. of periods** : 06

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 3: 16/4/25 to 19/04/25		**Period Count: 04**	
PD1	Express decimal numbers in binary system,	Solved Examples	
PD2	Express decimal numbers in binary system,		
PD3	Express decimal numbers in binary system, Express binary numbers in decimal system.	Exercise 1	

PD4	Express binary numbers in decimal system.	Solved Examples	
PD5		-----	
PD6			
PD 7			

WEEK _4: 21/04/25 to 26/04/25		**Period Count: 06**	
PD1	Relate indices and logarithm /antilogarithm.		
PD2	Relate indices and logarithm /antilogarithm.		
PD3	● Find logarithm and antilogarith	Solved Examples	
PD4	● Find logarithm and antilogarith		
PD5	● Find logarithm and antilogarith	Solved Examples	
PD6	● Find logarithm and antilogarith	Solved Examples	
PD 7			

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Weekly planning overview
Session: 20 25 - 20 26

Subject   : APPLIED MATHEMATICS   **Class :**11th   **No. of periods   : 6**

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 28/04/25 to 03/05/25		**Period Count: 06**	
PD1	● Find logarithm and antilogarith	Solved Examples	
PD2	● Find logarithm and antilogarith	Solved Examples	
PD3	● Find logarithm and antilogarith	----	
PD4	Apply laws of logarithm	Solved Examples	
PD5	Apply laws of logarithm	Solved Examples	
PD6	Apply laws of logarithm		
PD 7			
WEEK _6: 05/05/25 to 10/05/25		**Period Count:06**	
PD1	Simple applications of logarithm and Antilogarithm.	----	
PD2	Simple applications of logarithm and Antilogarithm.	Solved Examples	
PD3	Simple applications of logarithm and Antilogarithm.	-------	
PD4	Use logarithm in different applications.	Solved Examples	
PD5	Use logarithm in different applications.	Solved Examples	
PD6	Use logarithm in different applications.	------	
PD 7	SECOND SATURDAY	----	

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Weekly planning overview
Session: 2025 - 2026

Subject : APPLIED MATHEMATICS   **Class :**11th   **No. of periods** : 6

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _7: 12/05/25 to 17/05/25		**Period Count: 06**	
PD1	Evaluate the angular value of a minute	Solved Examples	
PD2	Evaluate the angular value of a minute	-------	
PD3	Calculate the angle formed between two hands of clock at given time	-------	
PD4	Calculate the angle formed between two hands of clock at given time	-------	
PD5	Calculate the time for which hands of clock Meet.		
PD6	Calculate the time for which hands of clock Meet.		
PD 7	ASSIGNMENT		
WEEK _8: 19/5/25 to 24/5/25		**Period Count: 06**	
PD1	Calendar Determine Odd days in a month/ year/ century		
PD2	Determine Odd days in a month/ year/ century	Q.3, 4 and 6	
PD3	Determine Odd days in a month/ year/ century	Q. 11-17	
PD4	BUDDHA PURNIMA		
PD5	Decode the day for the given date.	Solved examples	
PD6	Decode the day for the given date.	Solved examples	
PD 7			

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Weekly planning overview
Session: 2025 - 2026

Subject : APPLIED MATHEMATICS **Class :** 11th **No. of periods** : 06

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _7: 26/05/25 to 31/05/25		Period Count: 06	
PD1	Time, Work and Distance Establish the relationship between work and time		
PD2	Establish the relationship between work and time		
PD3	Compare the work done by the individual / group w.r.t. time		
PD4	Calculate the time taken/ distance covered/ Work done from the given data		
PD5	SUMMER VACATION		
PD6	SUMMER VACATION		
PD 7	SUMMER VACATION		

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Weekly planning overview
Session: 20 25   - 20 26

Subject   : APPLIED MATHEMATICS   Class :11th   **No. of periods   : 06**

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 27/06/25 to 30/06/25		**Period Count: 04**	
PD1	Introduction to sets – definition	Solved examples	
PD2	Introduction to sets – definition	Solved examples	
PD3	Define set as welldefined collection of objects	Solved examples	
PD4	Define set as welldefined collection of objects	Solved examples	
PD5			
PD6			
PD 7			
WEEK _6: 01/07/25 to 05/07/25		**Period Count:05**	
PD1	Representation of sets		
PD2	Representation of set		
PD3	Represent a set in Roster form and Set builder form	Solved examples	
PD4	Represent a set in Roster form and Set builder form	Solved examples	
PD5	Represent a set in Roster form and Set builder form		
PD6			

PD 7			

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Weekly planning overview
Session: 20 25   - 20 26

Subject : APPLIED MATHEMATICS   **Class** :11th   **No. of periods**   : 6

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 07/07/25 to 12/07/25		**Period Count: 06**	
PD1	Enlist all subsets of a •Subsets set Find number of subsets		
PD2	•Subsets set Find number of subsets • of a given set Find number of • elements of a power set	Solved examples	
PD3	• elements of a power set Types of sets and their notations Identify different types•	Solved examples	
PD4	Types of sets and their notations Identify different types• of sets on the basis of number of elements in the set		
PD5	sets on the basis of number of elements in the set Differentiate between• equal set and equivalence set	Solved examples	
PD6	sets on the basis of number of elements in the set Differentiate between• equal set and equivalence set	Solved examples	
PD 7			
WEEK _6: 14/07/25 to 19/07/25		**Period Count:06**	
PD1	Express subset of real Intervals numbers as intervals		

PD2	Apply the concept of
	  Venn diagrams Venn diagram to understand the
	  relationship between sets Solve problems using
		Solved examples	

PD3	Apply the concept of
	  Venn diagrams Venn diagram to understand the
	  relationship between sets Solve problems using
		Solved examples	

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
PD4	Venn diagram rations on sets Perform operations on		
PD5	sets to solve practical problems		
PD6	sets to solve practical problems		
PD 7			

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Weekly planning overview
Session: 20 25   - 20 26

Subject   **: APPLIED MATHEMATICS**   **Class :** 11th **No. of periods   : 11**

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 21/07/25 to 26/07/25		**Period Count: 06**	
PD1	Ordered pairs Cartesian product of two sets Explain the significance of specific arrangement of elements in a pair Write Cartesian product of two sets	Solved examples	
PD2	specific arrangement of elements in a pair Write Cartesian product of two sets	Solved examples	
PD3	specific arrangement of elements in a pair Write Cartesian product of two sets		
PD4	Cartesian product of two sets Find the number of		
PD5	Cartesian product of two sets Find the number of	Solved examples	
PD6	elements in a Cartesian product of two sets	Solved examples	
PD 7			

	WEEK _6: 28/07/25 to 02/08/25		Period Count:06
PD1	Sequence and Series Arithmetic Progression	Solved examples	
PD2	Sequence and Series Arithmetic Progression	Solved examples	
PD3	Arithmetic Progression Geometric Progression		
PD4	Geometric Progression		
PD5	Applications of AP and GP	Solved examples	
PD6	Applications of AP and GP		
PD 7			

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Weekly planning overview
Session: 2025 - 2026

Subject : APPLIED MATHEMATICS   **Class** :11th   **No. of periods** : 05

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
	WEEK _5: 04/08/25 to 08/08/25		Period Count: 05
PD1	Factorial Fundamental Principle of Counting Permutations	Solved examples	
PD2	Factorial Fundamental Principle of Counting Permutations	Solved examples	
PD3	Factorial Fundamental Principle of Counting Permutations		
PD4	Factorial Fundamental Principle of Counting Permutations		
PD5	Factorial Fundamental Principle of Counting Permutations	Solved examples	

Period	Topic/s to be covered in classroom	Homework	Status
PD6	Factorial Fundamental Principle of Counting Permutations		
PD 7			
WEEK _6: 11/08/25 to 14/08/25		**Period Count:04**	
PD1	Combinations Logical reasoning	Solved examples	
PD2	Combinations Logical reasoning	Solved examples	
PD3	Logical reasoning		
PD4	Logical reasoning		
PD5		Solved examples	
PD6			
PD 7			

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Weekly planning overview
Session: 20 25   - 20 26

Subject   : APPLIED MATHEMATICS   Class :11th   **No. of periods   : 6**

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 18/08/25 to 23/08/25		**Period Count: 06**	
PD1	Functions, Domain and Range of a function,	Solved examples	
PD2	Functions, Domain and Range of a function	Solved examples	
PD3	Types of functions and their graphical representation		
PD4	Types of functions and their graphical representation		
PD5	Types of functions and their graphical representation	Solved examples	

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
PD6	Concepts of limits and continuity of a function	Solved examples	
PD 7			
WEEK _6: 25/08/25 to 30/08/25		**Period Count:06**	
PD1	Concepts of limits and continuity of a function	Solved examples	
PD2	Concepts of limits and continuity of a function	Solved examples	
PD3	Concepts of limits and continuity of a function Instantaneous rate of change5 Differentiation as a process of finding derivative		
PD4	Differentiation as a process of finding derivative		
PD5	Differentiation as a process of finding derivative	Solved examples	
PD6	Differentiation as a process of finding derivative	Solved examples	
PD 7			

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Weekly planning overview
Session: 20 25 - 20 26

Subject   : APPLIED MATHEMATICS   Class :11th   No. of periods   : 12

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 01/09/25 to 06/09/25		**Period Count: 06**	
PD1	Derivatives of algebraic functions using Chain Rule	Solved examples	
PD2	Derivatives of algebraic functions using Chain Rule	Solved examples	
PD3	Derivatives of algebraic functions using Chain Rule		
PD4	REVISION		

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
PD5	REVISION	Solved examples	
PD6	REVISION	Solved examples	
PD 7			
	WEEK _6: 08/09/25 to 13/09/25	**Period Count:06**	
PD1	**Half yearly Examinations**		
PD2	**Half yearly Examinations**		
PD3	**Half yearly Examinations**	Solved examples	
PD4	**Half yearly Examinations**	Solved examples	
PD5	**Half yearly Examinations**		
PD6	**Half yearly Examinations**		
PD 7			

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Weekly planning overview
Session: 20 25 - 20 26

Subject : APPLIED MATHEMATICS **Class :**11th **No. of periods** : 12

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
	WEEK _5: 15/09/25 to 20/09/25	**Period Count: 06**	
PD1	HY Examination		
PD2	HY Examination		
PD3	HY Examination		
PD4	HY Examination		

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
PD5	HY Examination		
PD6	HY Examination		
PD 7			
WEEK _6: 22/09/25 to 27/09/25		**Period Count:06**	
PD1	Introduction Of probability		
PD2	Appreciate the use of probability in daily life situations Random experiment and sample space		
PD3	Define random experiment and sample space with suitable examples		
PD4	Define random experiment and sample space with suitable examples		
PD5	Define random experiment and sample space with suitable examples		
PD6	Define random experiment and sample space with suitable examples		
PD 7			

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Weekly planning overview
Session: 20 25   - 20 26

Subject   : APPLIED MATHEMATICS   Class :11th   **No. of periods   : 09**

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 29/09/25 to 04/10/25		**Period Count: 03**	
PD1	Dussehra Holidays		
PD2	Dussehra Holidays		
PD3	Dussehra Holidays		
PD4	Conditional Probability Define the concept of conditional probability Apply reasoning skills to solve problems based on conditional probability		

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
PD5	Conditional Probability Define the concept ofconditional probability Apply reasoning skills to solve problems based on conditional probability	Solved examples	
PD6	Conditional Probability Define the concept ofconditional probability Apply reasoning skills to solve problems based on conditional probability	Solved examples	
PD 7			
WEEK _6: 06/10/25 to 11/10/25		**Period Count:06**	
PD1	Conditional Probability Define the concept of conditional probability	Solved examples	
PD2	Conditional Probability Define the concept of conditional probability	Solved examples	
PD3	Apply reasoning skills to solve problems based on conditional probability Conditional Probability Define the concept of conditional probability		
PD4	Conditional Probability Define the concept of conditional probability		
PD5	Apply reasoning skills to solve problems based on conditional probability		
PD6	Apply reasoning skills to solve problems based on conditional probability		
PD 7			

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Weekly planning overview
Session: 2025   - 2026

Subject   : APPLIED MATHEMATICS   Class :11th   **No. of periods   : 12**

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 13/10/25 to 18/10/25		**Period Count: 06**	
PD1	Calculate range, quartile deviation, mean deviation and standard deviation for ungrouped and grouped data set	Solved examples	
PD2	Calculate range, quartile deviation, mean deviation and standard deviation for ungrouped and grouped data set	Solved examples	

PD3	Calculate range, quartile deviation, mean deviation and standard deviation for ungrouped and grouped data set		
PD4	Choose appropriate measure of dispersion to calculate spread of data	Solved examples	
PD5	Choose appropriate measure of dispersion to calculate spread of data	Solved examples	
PD6	Choose appropriate measure of dispersion to calculate spread of data		
PD 7			
WEEK _6: 20/10/25 to 25/10/25		**Period Count:06**	
PD1	Diwali Holidays		
PD2	Diwali Holidays		
PD3	Diwali Holidays		
PD4	Diwali Holidays		
PD5	Calculate range, quartile deviation, mean deviation and standard deviation for ungrouped and grouped data set	Solved examples	
PD6	Calculate range, quartile deviation, mean deviation and standard deviation for ungrouped and grouped data set	examples	
PD 7	Choose appropriate measure of dispersion to calculate spread of data		

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Weekly planning overview

Session: 20 25   - 20 26Subject   : APPLIED MATHEMATICS   Class :11thNo. of periods   : 5

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 27/10/25 to 31/10/25		**Period Count: 05**	
PD1	Interest and Interest Rates Define the concept of Interest Rates	Solved examples	
PD2		Solved examples	

PD3	Compare the difference between Nominal Interest Rate, Effective Rate and Real Interest Rate	Solved examples	
PD4	Compare the difference between Nominal Interest Rate, Effective Rate and Real Interest Rate Solve Practical applications of interest rate	Solved examples	
PD5	Solve Practical applications of interest rate		
PD6			
PD 7			
WEEK _6: 01/11/25 to 07/11/25		**Period Count:06**	
PD1	Interest and Interest Rates Define the concept of Interest Rates		
PD2	Interest and Interest Rates Define the concept of Interest Rates		
PD3	Compare the difference between Nominal Interest Rate, Effective Rate and Real Interest Rate		
PD4	Compare the difference between Nominal Interest Rate, Effective Rate and Real Interest Rate		
PD5	Solve Practical applications of interest rate		
PD6	Solve Practical applications of interest rate		
PD 7			

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Weekly planning overview
Session: 2025   - 2026

Subject   : APPLIED MATHEMATICS   Class :11th   **No. of periods   : 12**

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 09/11/25 to 15/11/25		**Period Count: 06**	
PD1	compound interest		
PD2	compound interest		

PD3	Interpret the concept of simple and compound interest		
PD4	interpret the concept of simple and compound interest		
PD5	Calculate Simple Interest and Compound Interest		
PD6	Calculate Simple Interest and Compound Interest		
PD 7			
WEEK _6: 17/11/25 to 22/05/25		**Period Count:06**	
PD1	Simple and compound interest rates with equivalency		
PD2	Simple and compound interest rates with equivalency		
PD3	Explain the meaning, nature and concept of equivalency		
PD4	Explain the meaning, nature and concept of equivalency		
PD5	Analyze various examples for understanding annual equivalency rate		
PD6	Analyze various examples for understanding annual equivalency rate		
PD 7			

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Weekly planning overview
Session: 2025 - 2026

Subject : APPLIED MATHEMATICS   **Class** :11th   **No. of periods** :6

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 24/11/25 to 29/11/25		**Period Count: 06**	
PD1	Effective rate of interest		
PD2	Effective rate of interest		

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
PD3			
PD4	Define with examples the concept of effective rate of interest		
PD5	Define with examples the concept of effective rate of interest		
PD6	Define with examples the concept of effective rate of interest		
PD 7			
WEEK _6: 01/12/25 to 06/12/25		**Period Count:06**	
PD1	Annuities, Calculating value of Regular Annuity		
PD2	Annuities, Calculating value of Regular Annuity		
PD3	Explain the concept of Immediate Annuity, Annuity due and Deferred Annuity		
PD4	Explain the concept of Immediate Annuity, Annuity due and Deferred Annuity		
PD5	Explain the concept of Immediate Annuity, Annuity due and Deferred Annuity		
PD6	Calculate General Annuity		
PD 7			

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Weekly planning overview
Session: 2025 - 2026

Subject   : APPLIED MATHEMATICS   Class :11th   **No. of periods   : 12**

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 08/12/25 to 13/12/25		**Period Count: 06**	
PD1	Simple applications of regular annuities		
PD2	Simple applications of regular annuities		

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
PD3	Calculate the future value of regular annuity, annuity due		
PD4	Calculate the future value of regular annuity, annuity due		
PD5	Apply the concept of Annuity in real life situations		
PD6	Apply the concept of Annuity in real life situations		
PD 7			
WEEK _6: 15/12/25 to 20/12/25		**Period Count:06**	
PD1	Tax, calculation of tax, simple applications of tax calculation in Goods and service tax, Income Tax		
PD2	Tax, calculation of tax, simple applications of tax calculation in Goods and service tax, Income Tax		
PD3	Explain fundamentals of ,taxation Differentiate between, Direct and indirect tax Define and explain GST		
PD4	Explain fundamentals of , taxation Differentiate between, Direct and indirect tax Define and explain GST		
PD5	Calculate GST Explain rules under State Goods and Services Tax (SGST) Central Goods and Services Tax (CGST) and Union Territory. Goods and Services Tax (UTGST)		
PD6	Calculate GSTE xplain rules under State Goods and Services Tax (SGST) Central Goods and Services Tax (CGST) and Union Territory. Goods and Services Tax (UTGST)		
PD 7			

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Weekly planning overview
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Subject   : APPLIED MATHEMATICS   Class :11th   **No. of periods   : 12**

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 22/12/25 to 27/12/25		**Period Count: 06**	
PD1	Bills, tariff rates, fixed charge, surcharge, service charge		

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
PD2	Bills, tariff rates, fixed charge, surcharge, service charge		
PD3	Describe the meaning of bills and its various types		
PD4	Describe the meaning of bills and its various types		
PD5	Analyze the meaning and rules determining tariff rates Explain the concept of fixed charge		
PD6	Analyze the meaning and rules determining tariff rates Explain the concept of fixed charge		
PD 7			
WEEK _6: 29/12/25 to 03/01/26		**Period Count:06**	
PD1			
PD2			
PD3	Winter vacation		
PD4	Winter vacation		
PD5	Winter vacation		
PD6	Winter vacation		
PD 7			

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Subject   : APPLIED MATHEMATICS   Class :11th   **No. of periods   : 12**

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 05/01/26 to 10/01/26		**Period Count: 06**	
PD1	Winter vacation		

PD2	Winter vacation		
PD3	Winter vacation		
PD4	Calculation and interpretation of electricity bill, water supply bill and other supply bills To interpret and analyze		
PD5	Calculation and interpretation of electricity bill, water supply bill and other supply bills To interpret and analyze		
PD6	electricity bills, water bills and other supply bills Evaluate how to calculate units consumed under electricity bills/water bill		
PD 7			

WEEK _6: 12/01/26 to 17/01/26		**Period Count:06**	
PD1	Straight line Find the slope of a line		
PD2	Find the slope and equation of line in various form .		
PD3	Find the slope and equation of line in various form .		
PD4	Find angle between the two lines		
PD5	Find the perpendicular distance of a given point from a line		
PD6	Find the distance between two parallel lines.		
PD 7			

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Weekly planning overview
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Subject   : APPLIED MATHEMATICS   **Class** :11th   **No. of periods**   : 12

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 19/01/26 to 24/01/26		**Period Count: 06**	

PD1	Circle ,Define a circle ,Find different form of equations of a circle		
PD2	Find different form of equations of a circle		
PD3	Find different form of equations of a circle		
PD4	Find different form of equations of a circle		
PD5	Solve problems based on applications of circle		
PD6	Solve problems based on applications of circle		
PD 7			
WEEK _6: 26/01/26 to 31/01/26		**Period Count:06**	
PD1	Define parabola and related terms		
PD2	Parabola as a locus of a point in a plane.		
PD3	Parabola as a locus of a point in a plane.		
PD4	Parabola as a locus of a point in a plane.		
PD5	Equation of a parabola in standard form.		
PD6	Equation of a parabola in standard form.		
PD 7			

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Subject   : APPLIED MATHEMATICS   Class :11th   **No. of periods   : 12**

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5: 02/02/26 to 07/02/26		**Period Count: 06**	

PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		
PD6	Revision		
PD 7			
WEEK _6: 08/02/26 to 14/02/26		**Period Count:06**	
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		
PD6	Revision		
PD 7			