



Sir Padampat Singhania Education Centre
Kamla Nagar, Kanpur

Lesson Plan
Session 2025 - 2026
Class: XII

Subject : **MATHEMATICS [041]**
Book : R.D.SHARMA, WORK BOOK AND NCERT

Subject Coordinator
Name: SANJAY KUMAR SHARMA

Head of Department
Name: SANJAY KUMAR SHARMA

Sign:

Sign:



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Yearly Syllabus/Planning overview

Session: 2025 - 2026

Subject : Mathematics [041] Class : XII No. of periods : 167

Month	Assessed in	Lesson/s to be covered	Period Count
APRIL	1 ST TEST Half yearly Pre Board 1 Pre Board 2	1.Relations and Functions 2.Inverse Trigonometric Functions 3.Matrices	12
MAY	2 nd TEST Half yearly Pre Board 1 Pre Board 2	4.Determinants 5.Continuity and Differentiability[partly].	24
JUNE		Summer Break	03
JULY	2 nd TEST Half yearly Pre Board 1 Pre Board 2	5.Continuity and Differentiability. 6.Applications of Derivatives	25
AUGUST	3 rd TEST Half yearly Pre Board 1 Pre Board 2	7.Integrals 8.Applications Of Integrals 9.Differential Equations	22
SEPTEMBER	Pre Board 1 Pre Board 2	10.Vectors Revision	11
OCTOBER	Pre Board 1 Pre Board 2	11.Three -Dimensional Geometry 12.Linear Programming 13.Probability	20
NOVEMBER	Pre Board 1	Revision	11
DECEMBER	Pre Board 1 Pre Board 2	Revision	11
JANUARY	Pre Board 1 Pre Board 2	Revision	18
February		Revision	10

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Monthly Syllabus/Planning overview Session: 2025 - 2026

Subject: MATHEMATICS [041]

Class: XII

Books: R.D.SHARMA, WORKBOOK AND NCERT

No. of periods: 167

Month	Date/Week		Lesson/s to be covered in classroom	Period Count
	From	To		
	16th April	19th April	Relations and Functions	03
	21st April	26th April	Relations and Functions Inverse Trigonometric Functions	04
	th April	30th April	Inverse Trigonometric Functions Matrices	05
	01st April	03th April	Matrices	06
	05th April	10th May	Determinants	05
	13th May	17th May	Determinants	05
	19th May	22th May	Continuity and Differentiability	05
	23th May	30th May	Periodic Test 1 Continuity and Differentiability	05
	31 May	26th June	SUMMER VACATION	01
	27 June	30th June	Continuity and Differentiability Applications Of Derivatives	06
	01 July	05th July	Applications Of Derivatives	05
	07th July	12th July	Applications Of Derivatives	05
	14 July	19th July		06
	21 July	26th July	Integrals	03
	28 July	31 July	Integrals	03

	01 Aug	02 Aug	Integrals	05
	04 Aug	08 Aug	Applications Of Integrals	05
	11 Aug	16th Aug	Applications Of Integrals	06
	18th Aug	23 Aug	Differential Equations	05
	25 Aug	30th Aug	Differential Equations	06
	01 Sept	06th Sept	Differential Equations	06
	08th Sept	13th Sept	Revision	--
	15th Sept	29th Sept	Half Yearly Examinations	05
	30th Oct	02th Oct	DUSSEHRA & MAHATMA GANDHI JAYANTI	04
	03 Oct	04th Oct	Vectors	06
	06 Oct	11th Oct	Vectors and Three-Dimensional Geometry	06
	13th Oct	18 Oct	Three-Dimensional Geometry and Linear Proramming	01
	24 Oct	25 Oct	Linear Proramming and Probability	-
	27th Oct	31 Oct	Probability Revision	—
	01st Nov	08th Nov	Revision	05
	10th Nov	22nd Nov	PRE-BOARD -I	06
	24 Nov	29th Nov	Revision	05
	01th Dec	06th Dec	Revision	06
	08th Dec	13th Dec	Revision	--
	15th Dec	30th Dec	Pre-Board -II	01
	31st Dec	07th Jan	WINTER BREAK	05
	08th Jan	10th Jan	Revision	06

	12th Jan	17th Jan	Revision	06
	19 Jan	24th Jan	Revision	06
	27th Jan	31st Jan	Revision	06
	02nd Feb	14th Feb	Revision	

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Weekly planning overview

Session: 2024 - 2025

Subject : MATHEMATICS [041]

Class : XII

No. of periods : 176

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 1: 16 April to 19th April		Period Count: 02	
PD1	Introduction: Mathematics [041] + Work Book + Text Books Question Paper Pattern		
PD2	Discussion Of Paper Pattern Relations and Functions		
WEEK 2: 04 th April to 06 th April		Period Count: 03	
PD1	Relations and Functions		
PD2	Relations and Functions		
PD3	Relations and Functions		
WEEK 3: 08 th April to 13 th April		Period Count: 04	
PD1	Relations and Functions		
PD2	Relations and Functions		
PD3	Inverse Trigonometric Functions		
PD4	Eid-UI-Fitr (11/04)		
PD5	Inverse Trigonometric Functions		
PD6	Second Saturday (13/04)		

WEEK 4: 15th April to 20th April

Period Count: 05

PD1	Inverse Trigonometric Functions		
PD2	Inverse Trigonometric Functions		
PD3	Matrices		
PD4	Matrices		
PD5	Matrices		
PD6	Matrices		

WEEK 5: 22nd April to 27th April

Period Count: 06

PD1	Matrices		
PD2	Matrices		
PD3	Matrices		

WEEK 6: 29st May to 04th May

Period Count: 05

PD1	Matrices		
PD2	Matrices		
PD3	Matrices		
PD4	Matrices		
PD5	Determinants		
PD6			

Subject coordinator

Supervisor

Principal/V. Principal



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Weekly planning overview

Session: 2024 - 2025

Subject : Mathematics [041]

Class : XII

No. of periods :

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 7: 6 th May to 11 th May			Period Count: <u>5</u>
PD1	Determinants		
PD2	Determinants		
PD3	Determinants		
PD4	Determinants		
PD5	Determinants		
WEEK 8: 14 th May to 18 th May			Period Count: <u>5</u>
PD1	Term Test -1 Determinants		
PD2	Term Test -1 Determinants		
PD3	Determinants		
PD4	Determinants		
PD5	Determinants		

WEEK : 9 20 th May to 25 th May			Period Count: 05
PD1	Determinants		
PD2	Determinants		
PD3	Determinants		
PD4	Determinants		
PD5	Continuity and Differentiability		
WEEK :10 27 th May to 29 th May			Period Count: 01
PD1	Continuity and Differentiability		
PD2	PTM FROM 30 MAY SUMMER VACATION STARTS		
WEEK 11: 26 th June to 30 th June			Period Count: ____
PD1	SUMMER VACATION		
PD2	SUMMER VACATION		
PD3	SUMMER VACATION		
PD4	SUMMER VACATION		
PD5	SUMMER VACATION		

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Principal/V. Principal



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No. of periods :

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 12: 01 st July to 06 th July		Period Count: 6	
PD1	Continuity and Differentiability		
PD2	Continuity and Differentiability		
PD3	Continuity and Differentiability		
PD4	Continuity and Differentiability		
PD5	Continuity and Differentiability		
WEEK 13 : 08 th July to 13 th July		Period Count: 5	
PD1	Applications Of Derivatives		
PD2	Applications Of Derivatives		
PD3	Applications Of Derivatives		
PD4	Applications Of Derivatives		
PD5	Applications Of Derivatives		
WEEK 14: 15 th July to 20 th July		Period Count: 5	
PD1	Applications Of Derivatives		
PD2	Applications Of Derivatives		
PD3	Applications Of Derivatives		
PD4	Revision Second Term Test		
PD5	Integrals		

WEEK 15: 22th July to 27st July**Period Count: _6_**

PD1	Integrals		
PD2	Integrals		
PD3	Integrals		
PD4	Integrals		
PD5	Integrals		

WEEK 16: 29th July to 31st July**Period Count: _3_**

PD1	Integrals		
PD2	Integrals		
PD3	Integrals		

WEEK 17: 01st August to 03th August**Period Count: 3**

PD1	Applications Of Integrals		
PD2	Applications Of Integrals		
PD3	Applications Of Integrals		

WEEK 18: 05th August to 10th August**Period Count: 5**

PD1	Applications Of Integrals		
PD2	Differential Equations		
PD3	Differential Equations		
PD4	Differential Equations		
PD5	Differential Equations		

WEEK 19: 12th August to 17th August**Period Count:5**

PD1	Differential Equations		
PD2	Differential Equations		
PD3	Differential Equations		
D4	Differential Equations Revision		
PD5	Revision		

WEEK 20:19st August to 24th August**Period Count:6**

PD1	Test from 21 st Vectors		
PD2	Vectors		
PD3	Vectors		
PD4	Vectors		
PD5	Vectors		

WEEK 21: 26th August to 31st August**Period Count:5**

PD1	Vectors		
PD2	Vectors		
PD3	Vectors		
PD4	Vectors		

WEEK 22: 02st September to 7th September**Period Count:6**

PD1	Three -Dimensional Geometry		
PD2	Three -Dimensional Geometry		
PD3	Three -Dimensional Geometry		
PD4	Three -Dimensional Geometry		

PD5	Three -Dimensional Geometry		
PD6	Three -Dimensional Geometry		
WEEK 23 :9th September to 14th September		Period Count: 6	
PD1	Three -Dimensional Geometry		
PD2	Three -Dimensional Geometry		
PD3	Three -Dimensional Geometry		
PD4	Three -Dimensional Geometry		
PD5	Revision		
WEEK 24 : 16th September to 28th September		Period Count:-	
PD1	Half Yearly Examinations Starts from 16 th		
PD2	Half Yearly Examinations		
PD3	Half Yearly Examinations		
PD4	Half Yearly Examinations		
PD5	Half Yearly Examinations		
WEEK 25 : 30th September to 05th October		Period Count:5	
PD1	Answer sheets will be shown		
PD2	Answer sheets will be shown		
PD3	Linear Programming		
PD4	Linear Programming		
PD5	Linear Programming		
WEEK 26 :07th October to 12th October		Period Count:4	

PD1	Linear Programming		
PD2	Linear Programming		
PD3	Linear Programming		
PD4	Linear Programming		
PD5	Probability		
WEEK 27 : 14th October to 19th October		Period Count:6	
PD1	Probability		
PD2	Probability		
PD3	Probability		
PD4	Probability		
PD5	Gandhi Jayanti		
WEEK 28 : 21st October to 26th October		Period Count:6	
PD1	Probability		
PD2	Probability		
PD3	Probability		
PD4	Probability		
PD5	Probability		
PD6	Probability		
WEEK 29 : 28th October to 31st October		Period Count:1	
PD1	Revision Sample Paper Solving		
WEEK 30 : 01st November to 04th November		Period Count:1	

PD1	Revision Sample Paper Solving		
PD2			
PD3			
PD4			
PD5			
WEEK 31 : 05th November to 09th November		Period Count:	
PD1	Pre-Board -1 starts from 5th		
PD2	Pre-Board -1		
PD3	Pre-Board -1		
PD4	Pre-Board -1		
PD5	Pre-Board -1		
WEEK 32 : 11th November to 16th November		Period Count:	
PD1	Pre-Board -1		
PD2	Pre-Board -1		
PD3	Pre-Board -1		
PD4	Pre-Board -1		
PD5	Pre-Board -1 End on 18th		
WEEK 33 : 18th November to 23rd November		Period Count:5	
PD1	Answer sheets will be shown		
PD2	Answer sheets will be shown		
PD3	Revision		
PD4	Revision		

PD5	Revision		
WEEK 34 : 25th November to 30th November		Period Count:6	
PD1	Sample Paper Solving		
PD2	Sample Paper Solving		
PD3	Sample Paper Solving		
PD4	Sample Paper Solving		
PD5	Sample Paper Solving		
PD6	Sample Paper Solving		
WEEK 35 : 02ND December to 07TH December		Period Count: 5	
PD1	Sample Paper Solving		
PD2	Sample Paper Solving		
PD3	Sample Paper Solving		
PD4	Sample Paper Solving		
PD5	Sample Paper Solving		
WEEK 36 : 09th December to 14th December		Period Count: 6	
PD1	Sample Paper Solving		
PD2	Sample Paper Solving		
PD3	Sample Paper Solving		
PD4	Sample Paper Solving		
PD5	Sample Paper Solving		
PD6	Sample Paper Solving		
WEEK 37 : 16TH December to 31ST^h December		Period Count: --	

PD1	Pre-Board -2		
PD2	Pre-Board -2		
PD3	Pre-Board -2		
PD4	Pre-Board -2		
PD5	Pre-Board -2		
8WEEK 38 : 10TH JANUARY to 11TH JANUARY		Period Count: 1	
PD1	Revision		
PD2			
PD3			
PD4			
PD5			
WEEK 39 : 13th JANUARY to 18th JANUARY		Period Count: 5	
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		
WEEK 40 : 20TH JANUARY to 25TH JANUARY		Period Count: 6	
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		

PD5	Revision		
PD6	Revision		
WEEK 41 : 27TH JANUARY to 1ST FEBRUARY		Period Count: 6	
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		
PD6	Revision		
WEEK 42 : 3RD FEBRUARY to 8RTH FEBRUARY		Period Count: 6	
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		
PD6	Revision		
WEEK 43 :10TH FEBRUARY to 15TH FEBRUARY		Period Count: 6	
PD1	Sample Paper Solving		
PD2	Sample Paper Solving		
PD3	Sample Paper Solving		
PD4	Sample Paper Solving		
PD5	Sample Paper Solving		

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