



MODERN PUBLIC SCHOOL

English Medium Co-Educational School

(Affiliated to the Central Board of Secondary Education, Delhi upto+2)

RANCHI PATNA ROAD, JHUMRITELAIYA, DIST. – KODERMA (JHARKHAND) 825409

SPLIT-UP SYLLABUS FOR SESSION 2026-27

CLASS: XII

SUBJECT: ENGLISH

UT-I	UT-II	SA-I (FIRST TERM)	UT-III	UT-IV	SA-II (FINAL EXAM)
Ch 1 -literature and 3 in writing skill 1)The last lesson 2) Letter to the editor 3) Notice 4) Report writing	Flamingo The Rattrap Indigo A Thing of Beauty A Roadside Stand Vistas The Third Level The Tiger King Writing Skills Formal/Informal Invitation & Reply Letter to the Editor / Job Application with Resume	Flamingo (Complete till UT 2) The Last Lesson Lost Spring Deep Water The Rattrap Indigo My Mother at Sixty-Six Keeping Quiet A Thing of Beauty A Roadside Stand Vistas The Third Level The Tiger King Journey to the End of the Earth Writing Skills Notice Writing Invitation & Reply Letter Writing Article / Report Writing	Flamingo Poets and Pancakes The Interview Aunt Jennifer's Tigers Vistas The Enemy On the Face of It Writing Skills Article Writing Report Writing	Flamingo Going Places Vistas Memories of Childhood The Cutting of My Long Hair We Too are Human Beings Revision Complete Writing Section Practice	Flamingo (Full Syllabus) The Last Lesson Lost Spring Deep Water The Rattrap Indigo Poets and Pancakes The Interview Going Places My Mother at Sixty-Six Keeping Quiet A Thing of Beauty A Roadside Stand Aunt Jennifer's Tigers Vistas (Full Syllabus) The Third Level The Tiger King Journey to the End of the Earth The Enemy On the Face of It Memories of Childhood The Cutting of My Long Hair We Too are Human Beings Writing Skills

					Notice Writing Invitation & Reply Letter Writing Article Writing Report Writing
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SPLIT-UP SYLLABUS FOR SESSION 2026-27

CLASS: XII

SUBJECT: PHYSICS

UT-I	UT-II	SA-I (FIRST TERM)	UT-III	UT-IV	SA-II (PRE-BOARD)
Chapter 1- Electric charges and fields. Ch2- Electrostatic Potential and Capacitance	Chapter 3- Current Electricity. Chapter 4- Moving charges and Magnetism	Chapter 1 to 4. Chapter 5- Magnetism and matter. Chapter 6- Electromagnetic Induction. Chapter 7- Alternating Current. Chapter 8- Electromagnetic Waves.	Chapter 9- Ray optics and optical instruments Chapter 10-Wave optics.	Chapter 11-Dual nature of radiation and matter. Chapter 12- Atoms.	From chapter 9 to 12. Chapter 13- Nuclei. Chapter 14- Semiconductor.



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SPLIT-UP SYLLABUS FOR SESSION 2026-27

CLASS: XII (SCIENCE)

SUBJECT: BIOLOGY

UT-I	UT-II	SA-I (FIRST TERM)	UT-III	UT-IV	SA-II (FINAL EXAM)
1. Ch 2 – Human Reproduction 2. Ch 3 – Reproductive Health	1. Ch 4 – Principles of Inheritance and Variation 2. Ch 5 – Molecular Basis of Inheritance 3. Ch 6 – Evolution	1. Ch 2, 3, 4, 5	1. Ch 7 – Human Health and Disease 2 Ch 8 – Microbes in Human Welfare 3. Ch 9 – Biotechnology: Principles and Processes	1. Ch 10 – Biotechnology and its Applications 2. Ch 11 – Organisms and Populations 3. Ch 12 – Ecosystem	1. Ch 2 to Ch 12



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SPLIT-UP SYLLABUS FOR SESSION 2026-27

CLASS: XII SC

SUBJECT: MATHS

No.	Units	No. of Periods	Marks
I.	Relations and Functions	30	08
II.	Algebra	50	10
III.	Calculus	80	35
IV.	Vectors and Three - Dimensional Geometry	30	14
V.	Linear Programming	20	05
VI.	Probability	30	08
	Total	240	80
	Internal Assessment		20

S.No.	CHAPTERS	Months
1.	<p>MATRICES: Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Operations on matrices: Addition and multiplication and multiplication with a scalar. Simple properties of addition, multiplication and scalar multiplication. Non-commutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (restrict to square matrices of order 2).</p> <p>Invertible matrices and proof of the uniqueness of inverse, if it exists; (Here all matrices will have real entries).</p> <p>DETERMINANTS: Determinant of a square matrix (up to 3×3 matrices), minors, co-factors and applications of determinants in finding the area of a triangle.</p> <p>Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples, solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix.</p>	APRIL
2.	<p>RELATION AND FUNCTION: Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and onto functions.</p> <p>INVERSE TRIGONOMETRIC FUNCTIONS: Definition, range, domain, principal value branch. Graphs of inverse trigonometric functions.</p>	MAY

3.	CONTINUITY AND DIFFERENTIABILITY: - Continuity and differentiability, derivative of composite functions, derivative of inverse trigonometric functions derivative of implicit function, derivative of exponential and logarithmic functions, derivatives of parametric function, Higher order derivatives.	JUNE
4.	APPLICATIONS OF DERIVATIVES:- Rate of change of Quantities, increasing and decreasing functions, Maxima and Minima . INDEFINITE INTEGRALS:- Integration as inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts, Evaluation of simple integrals of and problems based on them.	JULY
5.	DEFINITE INTEGRALS:- Fundamental Theorem of Calculus (without proof). Basic properties of definite integrals and evaluation of definite integrals. Applications in finding the area under simple curves, especially lines, circles/ parabolas/ellipses (in standard form only)	AUGUST
Revision of S.A 1 From second week of September		
6.	DIFFERENTIAL EQUATIONS :- Definition, order and degree, Formation of differential equation , General solution and particular solution , Solution of differential equation by method of separation of variables, Homogeneous differential equation , Solution of linear differential equation of type $\frac{dy}{dx} + Py = Q$, where P and Q are functions of x or constants and $\frac{dx}{dy} + Px = Q$, where P and Q are functions of y or constants. VECTORS: Vectors and scalars, magnitude and direction of a vector. Direction cosines and direction ratios of a vector. Types of vectors (equal, unit, zero, parallel and collinear vectors), position vector of a point, negative of a vector, components of a vector, addition of vectors, multiplication of a vector by a scalar, position vector of a point dividing a line segment in a given ratio. Definition, Geometrical Interpretation, properties and application of scalar (dot) product of vectors, vector (cross) product of vectors. THREE - DIMENSIONAL GEOMETRY: Direction cosines and direction ratios of a line joining two points. Cartesian equation and vector equation of a line, skew lines, shortest distance between two lines. Angle between two lines. L.P.P.: Introduction, related terminology such as constraints, objective function, optimization, graphical method of solution for problems in two variables, feasible and infeasible regions (bounded or unbounded), feasible and infeasible solutions, optimal feasible solutions (up to three non-trivial constraints). PROBABILITY: Conditional probability, multiplication theorem on probability, independent events, total probability, Bayes' theorem, Random variable and its probability distribution, mean of random variable.	OCTOBER
REVISION OF BOARD EXAMINATION FROM 2ND WEEK OF NOVEMBER		

MODERN PUBLIC SCHOOL, JHUMRI TELAIYA, KODERMA
BLUE PRINT FOR FIRST TERM EXAMINATION CLASS- XII (MATHEMATICS)

S. NO.	CHAPTER	1-MARK (18+2=20)	2- MARKS (2*5 = 10)	3- MARKS (3*6 = 18)	5- MARKS (5*4 = 20)	4- MARKS (4*3 = 12)	TOTAL 80(38)
1	RELATION AND FUNCTION	2	1	1 (OR)	.....	1	11(5)
2	INVERSE TRIGONOMETRIC FUNCTIONS	2	1(OR)	.....	.....	.....	4(3)
3	MATRICES	4	.....	1	.....	.....	7(5)
4	DETERMINANTS	2	1(OR)	.....	1	.....	9(4)
5	CONTINUITY AND DIFFERENTIABILITY	3	1	2(OR)	.....	.....	11(6)
6	APPLICATION OF DIFFERENTIATION	2	.....	1	1(OR)	1	14(5)
7	INDEFINITE INTEGRALS	2	1	.....	1(OR)	.....	9(4)
8	DEFINITE INTEGRALS	2	.....	1	.....	.....	5(3)
9	APPLICATION OF INTEGRALS	1	.....	.....	1	1	10(3)
TOTAL		20(20)	10(5)	18(6)	20(4)	12(3)	80(38)

MODERN PUBLIC SCHOOL, JHUMRI TELAIYA, KODERMA
BLUE PRINT FOR PRE BOARD EXAMINATION CLASS- XII (MATHEMATICS)

S. NO.	CHAPTER	1-MARK (18+2=20)	2- MARKS (2*5 = 10)	3- MARKS (3*6 = 18)	5- MARKS (5*4 = 20)	4- MARKS (4*3 = 12)	TOTAL 80(38)
1	RELATION AND FUNCTION					1(OR)	4(1)
2	INVERSE TRIGO FUNCTION	2	1				4(3)
3	MATRICES & DETERMINANTS	5			1		10(2)
4	CONTINUITY AND DIFFERENTIABILITY	2	1(OR)		1(OR)		9(4)
5	APPLICATION OF DIFFERENTIATION	1	1	2		1(OR)	13(4)
6	INTEGRALS	2		1			5(3)
7	APPLICATION OF INTEGRALS	1			1		6(2)
8	DIFFERENTIAL CALCULUS	2					2(2)
9	VECTORS	2	2(OR)	1(OR)			9(5)
10	3-D				1(OR)		5(1)
11	L. P. P.	2		1			5(3)
12	PROBABILITY	1		1(OR)		1(OR)	8(3)
TOTAL		20(20)	10(5)	18(6)	20(4)	12(3)	80(38)

SECTION	NO. OF QUESTIONS	MARKS PER QUESTION
SECTION-A	20	1 MARKS EACH INCLUDING 2 ASSERTION [REASONING (Q.NO. 19 & 20)]
SECTION-B	5	2 MARKS EACH
SECTION-C	6	3 MARKS EACH
SECTION-D	4	5 MARKS EACH
SECTION-E	3	4 MARKS EACH (1+1+2) [CASE STUDY BASED]

Time: 3 hours

Max. Marks: 80

S. No.	Typology of Questions	Total Marks	% Weightage
1	Remembering: Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers. Understanding: Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas	44	55
2	Applying: Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.	20	25
3	Analysing : Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations Evaluating: Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria. Creating: Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions	16	20
	Total	80	100

- No chapter wise weightage. Care to be taken to cover all the chapters*
- Suitable internal variations may be made for generating various templates keeping the overall weightage to different form of questions and typology of questions same.*

Choice(s):

There will be no overall choice in the question paper. However, 33% internal choices will be given in all the sections



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SPLIT-UP SYLLABUS FOR SESSION 2026-27

CLASS: XII

SUBJECT: PHYSICAL EDUCATION

UT-I	UT-II	SA-I (FIRST TERM)	UT-III	UT-IV	SA-II (FINAL EXAM)
<ul style="list-style-type: none">• Chapter 1 - Management Of Sporting Events• Chapter 2 - Children And Women In Sports	<ul style="list-style-type: none">• Chapter 3 - Yoga as Preventive Measure for Lifestyle Disease• Chapter 4 - Physical Education and Sports for CWSN (Children with Special Need)	<ul style="list-style-type: none">• Chapter 1 - Management Of Sporting Events• Chapter 2 - Children And Women In Sports• Chapter 3 - Yoga as Preventive Measure for Lifestyle Disease• Chapter 4 - Physical Education and Sports for CWSN (Children with Special Need)• Chapter 5 - Sports And Nutrition	<ul style="list-style-type: none">• Chapter 6 - Test And Measurement In Sports• Chapter 7 - Physiology And Injuries In Sports	<ul style="list-style-type: none">• Chapter 8 - Biomechanics And Sports• Chapter 9 - Psychology And Sports	Full Syllabus



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SPLIT-UP SYLLABUS FOR SESSION 2026-27

CLASS: XII

SUBJECT: FINE ARTS

UT-I	UT-II	SA-I (FIRST TERM)	UT-III	SA-II (FINAL EXAM)
1. Ch-1 The origin and development of miniature painting in India. 2. Ch-2- Six limbs of Indian painting & the Rajasthani school of miniature painting.	1. Ch-3- The Pahari school of miniature painting. 2. Ch4- The Mughal school of miniature painting. 3. Ch 5- The Deccan school of miniature painting.	1. Ch-1 to 9	1. Ch- 10- Modern Trends in Indian Art. 2. Ch-11- painting of the contemporary Indian Artists. 3. Ch- 12- Graphic prints of the contemporary Indian Artists.	Full Syllabus Chapter 1 to 13



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SPLIT-UP SYLLABUS FOR SESSION 2026-27

CLASS: XII

SUBJECT: IP

UT-I	UT-II	SA-I (FIRST TERM)	UT-III	SA-II (FINAL EXAM)
1. Ch-1 Python Pandas - I	1. Ch-2 Python Pandas - II 2. Ch-3 Ploting with PyPlot 3. Ch-4 Importing / Exporting data between CSV Files/My SQL and Pandas	1. Ch-1 Python Pandas - I 2. Ch-2 Python Pandas - II 3. Ch-3 Ploting with PyPlot 4. Ch-4 Importing / Exporting data between CSV Files/My SQL and Pandas 5. Ch-5 My SQL SQL Revision Tour	1. Ch-6 My SQL Functions 2. Ch-7 Querying Using SQL 3. Ch-8 Joins and SET Operations 4. Ch-9 Introduction To Computer Networks	1. Ch-1 Python Pandas - I 2. Ch-2 Python Pandas - II 3. Ch-3 Ploting with PyPlot 4. Ch-4 Importing / Exporting data between CSV Files/My SQL and Pandas 5. Ch-5 My SQL SQL Revision Tour 6. Ch-6 My SQL Functions 7. Ch-7 Dictionaries 8. Ch-8 Working with Numpy 9. Ch-9 Database concepts 10. Ch-10 Structured Query language 11. Ch-11 Emerging trends