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: XI

SUBJECT: ENGLISH

UT-I	SA-I (FIRST TERM)	UT-II	UT-III	SA-II (FINAL EXAM)
(Hornbill) Prose The Portrait of a Lady We're Not Afraid to Die… if We Can All Be Together Poetry A Photograph The Laburnum Top **(Snapshots)** The Summer of the Beautiful White Horse **Grammar** Gap Filling (Tenses, Clauses) Re-ordering / Transformation of Sentences Creative Writing Skills Classified Advertisement Poster Writing	**(Hornbill)** Prose The Portrait of a Lady We're Not Afraid to Die… if We Can All Be Together Discovering Tut: the Saga Continues Landscape of the Soul Poetry A Photograph The Laburnum Top The Voice of the Rain Childhood **(Snapshots)** The Summer of the Beautiful White Horse The Address Ranga's Marriage **Grammar** Gap Filling (Tenses, Clauses)	**(Hornbill)** Prose The Adventure Silk Road Poetry Father to Son **(Snapshots)** Albert Einstein at School Mother's Day **Grammar** Gap Filling (Tenses, Clauses) Re-ordering / Transformation of Sentences Creative Writing Skills Speech Writing Debate Writing	**(Snapshots)** Birth The Tale of Melon City Grammar Complete **Grammar** Revision Creative Writing Skills Complete Writing Skills Revision	As per CBSE NORMS

	Re-ordering / Transformation of Sentences Creative Writing Skills Classified Advertisement Poster Writing Speech Writing Debate Writing			

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SPLIT-UP SYLLABUS FOR SESSION 2026-27

CLASS: XI SC

SUBJECT: PHYSICS

UT-I	SA-I (FIRST TERM)	UT-II	UT-III	SA-II (FINAL EXAM)
Ch 1: Units and Measurements . Ch 2:Motion in straight line.	Ch-1 to 5	Ch 9-Gravitation. Ch 10-Mechanical properties of solids.	Ch 11-Mechanical properties of fluids. Ch 12-Thermal properties of matter.	Ch-6 to 14

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SPLIT-UP SYLLABUS FOR SESSION 2026-27

CLASS: XI

SUBJECT: BIOLOGY

UT-I	SA-I (FIRST TERM)	UT-II	UT-III	SA-II (FINAL EXAM)
Ch 1 – The Living World Ch 2 – Biological Classification Ch 3 – Plant Kingdom	Ch 1 to Ch 10	Ch 11 – Photosynthesis in Higher Plants Ch 12 – Respiration in Plants Ch 13 – Plant Growth and Development	Ch 14 – Breathing and Exchange of Gases Ch 15 – Body Fluids and Circulation Ch 16 – Excretory Products and their Elimination	Ch 1 to Ch 19

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SPLIT-UP SYLLABUS FOR SESSION 2026-27

CLASS: XI 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.	**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-commutatively of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (restrict to square matrices of order 2). Invertible matrices and proof of the uniqueness ofinverse, if it exists; (Here all matrices will have real entries). **DETERMINANTS:** Determinant of a square matrix (up to 3 x 3 matrices), minors, co-factors and applications of determinants in finding the area of a triangle. 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.	APRIL
2.	**RELATION AND FUNCTION:** Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and ontofunctions. **INVERSE TRIGONOMETRIC FUNCTIONS:** Definition, range, domain, principal value branch. Graphs of inverse trigonometric functions.	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, bypartial fractions and by parts, Evaluation of simple integrals of and problems basedon them.	JULY
5.	**DEFINITE INTEGRALS:-** Fundamental Theorem of Calculus (without proof). Basic properties of definite integrals and evaluationof 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 equationof 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 methodof 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 materialby 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 tosupport generalizations **Evaluating:** Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a setof criteria. **Creating:** Compile information together in a different way by combiningelements in a new pattern or proposing alternative solutions	16	20
	Total	80	100

1. *No chapter wise weightage. Care to be taken to cover all the chapters*
2. *Suitable internal variations may be made for generating various templates keeping the overallweightage 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: XI

SUBJECT: PHE

UT-I	SA-I (FIRST TERM)	UT-II	UT-III	SA-II (FINAL EXAM)
1. Ch-1: Changing Trends & Career in Physical Education 2. Ch-2: Olympic Value Education 3. Ch-3: Yoga	1. Ch-1: Changing Trends & Career in Physical Education 2. Ch-2: Olympic Value Education 3. Ch-3: Yoga 4. Ch-4: Physical Education & Sports for CWSN 5. Ch-5: Physical Fitness, Wellness & Lifestyle	1. Ch-6: Test, Measurement & Evaluation 2. Ch-7: Fundamentals of Anatomy & Physiology in Sports	1. Ch-8: Fundamentals of Kinesiology & Biomechanics in Sports 2. Ch-9: Psychology & Sports	1. Ch-10: Training & Doping in Sports 2. Full Syllabus

SPLIT-UP SYLLABUS FOR SESSION 2026-27
CLASS: XI (COMM.)
SUBJECT: FINE ARTS

UT-I	SA-I (FIRST TERM)	UT-II	UT-III	SA-II (FINAL EXAM)
1. Ch-1- Art- An Introduction 2. Ch-2- Art and the cultured 3. Ch-3- Origin and Development of different forms of fine Arts in India.	1. Ch-1- Art- An Introduction 2. Ch-2- Art and the cultured 3. Ch-3- Origin and Development of different forms of fine Arts in India 4. Ch4- Prehistoric Rock Painting 5. Ch 5- Art of Indus Valley 6. Ch 6- The Art during Mauryan, shunga, Khushna and Gupta Periods 7. Ch 7- The Art of Ajanta caves	1. Ch 7- The Art of Ajanta caves 2. Ch- 8- Artistic Aspects of Indian Temple Sculptures.	1. Ch- 9-Indian Bronze Sculptures. 2. Ch-10- Some Artistic Aspects of Indo- Islamic Architecture,	Full Syllabus

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SPLIT-UP SYLLABUS FOR SESSION 2026-27
CLASS: XI (SCI.)
SUBJECT: IP

UT-I	SA-I (FIRST TERM)	UT-II	UT-III	SA-II (FINAL EXAM)
Unit 2: Introduction to Python (Basics of Python programming, execution modes, Control Statements, Lists, list methods and built-in functions, Dictionary)	Unit 2: Introduction to Python (Basics of Python programming, execution modes, Control Statements, Lists, list methods and built-in functions, Dictionary, Introduction to NumPy) Unit 3: Database concepts and the Structured Query Language (Database Concepts, Relational data model)	Unit 3: Database concepts and the Structured Query Language (Database Concepts, Relational data mode, Introduction to MySQL, creating a database using MySQL, Data Types, Data Definition, Data Query, Data Manipulation)	Unit 1: Introduction to Computer System Unit 4: Introduction to the Emerging Trends	Unit 1: Introduction to Computer System Unit 2: Introduction to Python Unit 3: Database concepts and the Structured Query Language Unit 4: Introduction to the Emerging Trends