

D.A.V. PUBLIC SCHOOL, NIT CAMPUS, ADITYAPUR
JHARKHAND ZONE -L
ENGLISH LANGUAGE & LITERATURE (Code 184)
SYLLABUS STD –IX SESSION (2026-2027) R1

Month	Book Name : Kaveri	Writing Skills	Grammar
April	1.How I Taught My Grandmother To Read(Prose) Bharat Our Land (Poem)	Notice Writing Letter to Editor	Determiners
May	2.The Pot Maker (Prose)	Informal Invitation	Modals
June	3.Winds of Change (Prose) Gifts of Grace: Honouring Our Vacations (Poem)	Formal e-mail on a given issue for presenting views and suggestions	Tenses
July	4. Vitamin-M (Prose) I Cannot Remember My Mother (Poem) Canvas of Soil (Poem)	Article Writing (Magazine Article) Descriptive Essay	Reported Speech (statements,questions,command,requests)
August	5.The World of Limitless Possibilities (Prose) Nine Gold Medals (Poem)	Narrative Essay Factual Description	Subject verb concord
September	Half-Yearly Exam		
October	6. Twin Melodies (Drama) A Friend Found in Music	Speech Writing	Conditional Clause –Type 1
November	7. Carrier of Words (Prose) Words (Poem)	Revision-Article Writing(based on visual/verbal cues)	Clauses- Relative Clause ,Noun Clause
December	8.Follow That Dream (Prose) Always Believe in Yourself (Poem)	Revision- Narrative Essay	Revision of Integrated Grammar
January	Revision	Revision -Letter to Editor	Revision of Integrated Grammar
February	ANNUAL EXAM		

BLUEPRINT FORMAT FOR SYLLABUS

HALF-YEARLY/ANNUAL EXAMINATION BLUEPRINT FORMAT

School Name : DAV PUBLIC SCHOOL,NIT,ADIYAPUR

Session: 2026-27

Class: 9

Subject: ENGLISH

Examination: Half-Yearly Examination

Maximum Marks: 80

Time: 3 HOURS

Sl. No.	Unit/Chapter	Topics Covered	MCQ(1)	VSA(1)	SA (2)	LA(5,7)	OBJ (1)	Marks
1	1	How I Taught My Grandmother To Read	1	4				5 (RTC)
2	2	The Pot Maker				1x5		5
3	3	Winds of Change			1	-		2
4	4	Vitamin-M	-	-	1	1x5	-	7
5	Poems: 1	Bharat Our Land	-	-	1		-	2
6	2	Gifts of Grace: Honouring Our Vacations	-	-	1	-	-	2
7	3	I Cannot Remember My Mother			1		-	2
8	4	Canvas of Soil	1	4				5(RTC)
9	Reading skill	Passage 1 Passage 2	2+2	2+2	2+2	-	2+2	20
10	Writing skill	Long &short	-	-	1X3	2X5 1X7	-	20
11	Grammar	Editing, Sentence Rearrangement, Transformation	4	2 x3	-	-		10
TOTAL								80

माह	निर्धारित पुस्तक -गंगा	व्याकरण एवं लेखन
अप्रैल	1 बैलों की कथा (गद्य) 2.रैदास के पद (पद्य)	उपसर्ग, प्रत्यय ,मुहावरे अनौपचारिक पत्र
मई	3 क्या लिखूँ (गद्य)	संज्ञा,समानार्थीशब्द
जून	4.राम-लक्ष्मण-परशुराम संवाद (पद्य) 5.संवाद हीन (गद्य)	सर्वनाम ,अनुच्छेद लेखन
जुलाई	6.भारती जय विजय करे (पद्य) * निर्मल जीत सिंह सेखों (साथ-साथ पढ़ें)	निपात , संवाद लेखन
अगस्त	7.ऐसी भी बातें होती हैं (गद्य)	विराम- चिह्न,चित्र लेखन
सितम्बर	पुनरावृत्ति एवं संकलनात्मक मूल्यांकन परीक्षा	
आंतरिक मूल्यांकन	सस्वर वाचन (पाठ्य पुस्तक से कोई दोहा अथवा कविता) परियोजना कार्य -अपनी पाठ्य पुस्तक में से कोई पाँच कवियों का सचित्र जीवन परिचय ,कार्य क्षेत्र तथा उनकी प्रमुख रचनाओं का उल्लेख करते हुए कम से कम प्रत्येक की एक सुंदर अक्षरों में लिखकर आकर्षक परियोजना तैयार करें ।	

अक्टूबर	8.आखिरी चट्टान तक (गद्य) 9.झाँसी की रानी (पद्य)	अनौपचारिक पत्र, संज्ञा ,विराम-चिह्न
नवंबर	10. रीढ़ की हड्डी (गद्य) 11.घर की याद (पद्य)	सर्वनाम , संवाद लेखन
दिसंबर	12. मैं और मेरा देश (गद्य)	उपसर्ग, प्रत्यय,मुहावरे,अनुच्छेद लेखन
जनवरी	*तब याद तुम्हारी आती है (साथ-साथ पढ़ें)	समानार्थी शब्द,निपात,चित्र लेखन
फरवरी	पुनरावृत्ति + वार्षिक परीक्षा	As per CBSE
आंतरिक मूल्यांकन	1. हिन्दी भाषा और रोजगार विषय पर आलेख लिखकर कक्षा में भाषण के रूप में प्रस्तुत करें । 2. समूह बनाकर सम सामयिक मुद्दों पर कक्षा में नाटक प्रस्तुतिकरण (शिक्षक अपनी पसंद का भी विषय दे सकते हैं)	

BLUE
PRINT
(अंक

विभाजन) अर्धवार्षिक एव वार्षिक

अपठित गद्यांश	(खंड -क) $7(1 \times 3 = 3) + (2 + 2 = 4)$	
अपठित गद्यांश	$7 (1 \times 3 = 3) + (2 + 2 = 4)$	14
	खंड -ख (व्यावहारिक व्याकरण)	
(क)शब्द भंडार समानार्थी शब्द -2 अंक (पाठ्य पुस्तक के आधार पर (ख) मुहावरे -2 अंक (पाठ्य पुस्तक के आधार पर	(3 प्रश्नों में से 2 प्रश्न करने होंगे) $1 \times 2 = 2$ (3 में से 2 प्रश्न करने होंगे) $1 \times 2 = 2$	
(ii) शब्द निर्माण उपसर्ग -2 अंक , प्रत्यय -2 अंक	$1 \times 4 = 4$	
(iii) विराम-चिह्न, 2 अंक	$1 \times 2 = 2$	

(iv) संज्ञा -2 अंक (v) सर्वनाम -2 अंक (vi) निपात -2 अंक	1x6 =6	16
	पाठ्य पुस्तक खंड ग	
1. पठित गद्यांश पर आधारित बहुविकल्पीय प्रश्न 2. गद्य पाठों पर आधारित पाँच प्रश्न विकल्प सहित 25 से 30 शब्द सीमा वाले 3. पठित काव्यांश पर आधारित बहु विकल्पीय प्रश्न 4 पठित पद्य पाठों पर आधारित पाँच प्रश्न विकल्प सहित 25 से 30 शब्द सीमा वाले	1x5=5 2x5=10 1 x 5 = 5 2x 5 = 10	30

रचनात्मक लेखन 'खंड घ '

अनुच्छेद लेखन	5	
अनौपचारिक पत्र	5	
चित्र लेखन	5	
संवाद लेखन	5	20
आंतरिक मूल्यांकन		
सामयिक आकलन	5	
बहुविध आकलन	5	
पोर्टफोलियो	5	
श्रवण एव वाचन	5	20
कुल अंक		100

प्रथम इकाई परीक्षा -दो बैलों की कथा, संज्ञा , संवाद लेखन,अपठित गद्यांश

द्वितीय इकाई परीक्षा - क्या लिखूँ, रैदास के पद, समानार्थी शब्द, मुहावरे,निपात ,पत्र

तृतीय इकाई परीक्षा - राम-लक्ष्मण - परशुराम संवाद ,संवादहीन,ऐसी भी बातें होती है, विराम चिह्न, सर्वनाम अनुच्छेद लेखन

चतुर्थ इकाई परीक्षा - आखिरी चट्टान तक, रीढ़ की हड्डी,मैं और मेरा देश, संज्ञा, सर्वनाम,

SCHOOL NAME: DAV PUBLIC NIT CAMPUS ,ADITYAPUR

SESSION : 2026 -27

CLASS. :IX

SUBJECT. : HINDI

EXAMINATION : HALF YEARLY

MAX MARKS : 80

TIME. : 3 Hrs

SL NO	Chapter/ topic	MCQ	VSA	SA	LA	CASE BASED	MARKS
1	1.दो बैलों की कथा			2			4
2	2.रैदास के पद			2			4
3	3.क्या लिखूँ			2			4
4	4.राम लक्ष्मण परश्रम संवाद	5					5
5	5.संवादहीन	5					5
6	6.भारती जय विजय करे			2			4
7	7.ऐसी भी बातें होती है			2			4=30
	(अपठित बोध)						
	1.अपठित गद्यांश	3	2				7

	2.अपठित गद्यांश	3	2				7 =14
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SL NO	Topic	MCQ	VSA	SA	LA		MARKS
	व्याकरण शब्द भंडार,शब्द निर्माण,विराम चिह्न,संज्ञा,सर्वनाम ,निपात		4				4+4+2+6 =16
	रचनात्मक लेखन						
	अनुच्छेद लेखन				1		5
	अनौपचारिक पत्र				1		5
	संवाद लेखन				1		5
	चित्र लेखन				1		5
							20
	कुल						80

Class IX SANSKRIT (HALFYEARLY)

मासाः	पाठः	विषयाः	व्याकरणपाठाः
अप्रैलमासः	प्रथमपाठः	सत्यं शिवं सुन्दरं संस्कृतम् 5	सन्धिकार्यम् 3 स्वरसन्धि- दीर्घः, गुणः, वृद्धिः, यण्, अयादिः, पूर्वरूपः व्यञ्जनसन्धिः - वर्गीयप्रथमवर्णस्य तृतीयवर्णपरिवर्तनम्, म् स्थाने अनुस्वारः, तुगागमः विसर्गसन्धिः - उत्पन्न, सत्वम्, शत्वम्, षत्वम्, रत्वम् प्रत्ययाः - क्त्वा, तुमुन्, ल्यप्, शतृ, शानच्, क्तवतु, क्त 3
मईमासः	द्वितीय पाठः	सुखस्य मूलं धर्मः धर्मस्य मूलम् अर्थः 5	कारक - उपपद- विभक्तयः 3 द्वितीया - समया, निकषा, प्रति, विना, परितः, उभयतः, धिक् तृतीया - सह, समम्, साकम्, सार्धम्, विना, अलम्, सदृशः, हीनः चतुर्थी - दा (यच्छ), नमः, कुप्, स्वस्ति पञ्चमी - विना, बहिः, भी, ऋते, रक्ष् , षष्ठी - उपरि, अधः, पुरतः, पृष्ठतः, निर्धारणे

			सप्तमी - स्निह, विश्वस्, निपुण, पटु समास:- तत्पुरुषः (विभक्ति-नञ-उपपद-कर्मधारय) 3
जूनमासः	तृतीयपाठः चतुर्थपाठः	आत्मवत्सर्वभूतेषु यः पश्यति सः पण्डितः 5 न खलु वयस्तेजसो हेतुः 5	शब्दरूपाणि 3 पुल्लिङ्गशब्दाः – बालकवत्, कविवत्, साधुवत्, पितृवत्, राजन्, भवत्, विद्वत्, गुणिन् स्त्रीलिङ्गशब्दाः – लतावत्, मतिवत्, नदीवत्, मातृवत्, धेनुवत् नपुंसकलिङ्गशब्दाः – फलवत्, वारि, जगत्, मनस्, चक्षुस् सर्वनामशब्दाः – तत्, इदम्, किम् (त्रिषु लिङ्गेषु) अस्मद्, युष्मद् उच्चारणस्थानानि 2 अपठित गद्यांशः 10 रचनात्मककार्यम्- पत्रपूर्तिः 5
जुलाईमासः	पंचमपाठः षष्ठपाठः	एषा सा कृतकबुद्धिः मानवबुद्धेः सहकरी 5 मनःपूतं समाचरेत् 5	धातुरूपाणि 3 परस्मैपदिनः – वद्, गम्, पठ्, भू, दृश्, नी, क्रीड्, शक्, ज्ञा, अस्, क्री, दा, श्रु, पा (पिब्), कृ, (पञ्चसुलकारेषु) आत्मनेपदिनः – सेव्, लभ्, रुच्, मुद्, वृध् (लट्-लृट्-लोट्लकारेषु)

		उभयपदिनः – कृ, पच्, नी, कृष्, ह, भज् (केवलं लट्लकारे) अव्ययानि 2 स्थानबोधकानि- अत्र, तत्र, अन्यत्र, सर्वत्र, यत्र, एकत्र, उभयत्र कालबोधकानि- यदा, तदा, सर्वदा, एकदा, पुरा, अधुना, अद्य, श्वः, ह्यः प्रश्नबोधकानि- किम्, कुत्र, कति, कदा, कुतः, कथम्, किमर्थम् अन्यानि- च, अपि, यदि, तर्हि, यथा, तथा, सम्यक्, एव, तु सङ्ख्या 1-100 (1-4 केवल प्रथमा विभक्तौ) 3 रचनात्मकार्यम्- संवादपूर्तिः/कथापूर्तिः 5 चित्रवर्णनम् 5
अगस्त मासः	पुनरावृत्तिः	

प्रश्नपत्र - प्रारूपम्

सस्कृतम् (कोड संख्या – 0902)

प्रश्नप्रकाराः	प्रश्नानां संख्या	विभाग संख्या	प्रतिप्रश्नम् अङ्क -भारः	आहत्या ङ्काः
बहुविकल्पात्मकाः प्रश्नाः 1 अङ्कः	$3+4+4+4+3+4=22$	6	1	22
अति-लघूत्तरात्मकाः $\frac{1}{2}$ अङ्कः	$2+2+2=6$	3	$\frac{1}{2}$	3
अति-लघूत्तरात्मकाः 1 अङ्कः	$2=2$	1	1	2
निबन्धात्मकाः $\frac{1}{2}$ अङ्कः (रिक्तस्थानपूर्तिमाध्यमे न)	$10+10+4+8=32$	4	$\frac{1}{2}$	16
दीर्घोत्तरात्मकाः 1 अङ्कः	$5+2+2+2+5=16$	5	1	16
दीर्घोत्तरात्मकाः 2 अङ्कौ	$2=2$	1	2	4
लघूत्तरात्मकाः $\frac{1}{2}$ अङ्कः	$4+4+4=12$	3	$\frac{1}{2}$	6
लघूत्तरात्मकाः 1 अङ्कः	$2+2+2+1+4=11$	5	1	11
			आहत्याङ्काः	80

DAV PUBLIC SCHOOL

NIT CAMPUS ADITYAPUR, JAMSHEDPUR, JHARKHAND ZONE -L

SYLLABUS OF STD IX (2026-2027)

CLASS IXth____ SUBJECT: __SCIENCE _____

CHAPTER NO.	TOPICS	MONTH	WEIGHT AGE FOR HALF YEARLY EXAMIN ATION
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	PHYSICS (27 MARKS)		
Ch4	Describing motion around us(Upto equations of motion)	APRIL	9
Ch4	Describing motion around us(graphical representation of motion, circular motion)	MAY	
Ch6	How forces affect motion(Upto Newton's 2 nd law of motion)	JUNE	9
Ch6	How forces affect motion(Newton's 3 rd law motion till end of chapter)	JULY	
Ch7	Work, Energy and simple machines	AUGUST	9
	HALF YEARLY EXAMINATION	SEPTEMBER	
Ch10	Sound waves: (Characteristics and applications)	OCTOBER	
Ch10	Sound waves: (Characteristics and applications) contd.....	NOVEMBER	
Ch13	Earth as a System : Energy, matter & life		
	REVISION	DECEMBER	
	CHEMISTRY (25 MARKS)	APRIL & MAY	
Ch5	Exploring Mixtures & Their Separation (Upto Paper Chromatography)	JUNE	10
Ch5	Exploring Mixtures & Their Separation – How can we separate the components of Heterogeneous mixtures?- till Revise, Reflect and Refine	JULY	
Ch8	Journey Inside the Atom – till table 8.4	AUGUST	15
Ch8	Journey Inside the Atom – Combining Capacity of Atoms – till Revise, Reflect and Refine	SEPTEMBER	
Ch9	Revision & HALF YEARLY EXAM	OCTOBER & NOVEMBER	
	Atomic Foundations of Matter .	DECEMBER	
	REVISION		
	(Practical as per CBSE syllabus)	APRIL	

Ch2		MAY	9
Ch2	BIOLOGY (28 MARKS)		
Ch3	- Cell: The Building Block of Life (Upto the cell organelles)	JUNE	10
Ch3	- Cell: The Building Block of Life (Rest of the chapter after Cell organelles)	JULY	
Ch11	- Tissues in Action (Upto Plant Tissues)		
Ch11	-Tissues in Action (Remaining part after Plant Tissues)	JULY	9
Ch11	- Reproduction: How Life Continues (Upto Sexual Reproduction in Plants)	AUGUST	
Ch12	- Reproduction: How Life Continues (Remaining part after Sexual Reproduction in Plants)	SEPTEMBER	
Ch12	Half Yearly Exam	OCTOBER	
Ch13	-Patterens in Life : Diversity & Classification	NOVEMBER	As per CBSE
	- Earth as a System : Energy,matter & life	DECEMBER	
	PRACTICALS WILL BE ANNOUNCED SHORTLY.		
	REVISION		

NOTE:

1. Weightage of Pre- Board/Annual exam will be as per CBSE.
2. Practical assessment/Internal assessment for Half Yearly will be taken by subject teachers during regular classes (before Half Yearly Exam).

3. Consolidated Blueprint – Class IX Science

Question Type	Physics	Chemistry	Biology
MCQ	1×2 = 2	1×7 = 7	1×7 = 7
AR	1×1 = 1	1×1 = 1	1×2 = 2
VSA	2×3 = 6	2×1 = 2	2×2 = 4
SA	3×3 = 9	3×2 = 6	3×2 = 6
CB	4×1 = 4	4×1 = 4	4×1 = 4
LA	5×1 = 5	5×1 = 5	5×1 = 5
Total	27	25	28

SL NO.	NAME OF SUBJECT TEACHER	SIGNATURE
1.	1. SANJAY KUMAR 2. KOUSHIK CHATTERJEE	
2.	1. KAIRVEE 2. PINKEE KUMARI SINGH	
3.	1. D. CHAKRABORTY 2. PREETI KUMARI	

I/C EXAM

PRINCIPAL

STD IX SOCIAL SCIENCE SYLLABUS (2026-27)

NCERT PRESCRIBED TEXT BOOK

MONTH	HISTORY	POLITICAL SCIENCE	ECONOMICS	GEOGRAPHY	ACTIVITY/PROJECT
APRIL	Ch-1 Understanding Social Science Ch-4 Beginning of civilisation	Ch-6 Democracy	Ch-8 Building Blocks in Economics	Ch-2 Shaping of earth's surface	INTER DISCIPLINARY PROJECT Choose any social issue like poverty unemployment etc. and make a project on causes, effects and possible solutions by collecting information from news paper and books.
MAY	Contd.	Contd.	Contd.	Contd.	Coloured diagram on different layers of earth
JUNE	Ch-5 State and society	Ch-7 Election	Ch-9 Price puzzle What drives the market	Ch-3 Atmosphere and climate	GROUP DISCUSSION Are reserved constituency necessary OR What would happen if elections are not free and fair.
JULY	Contd.	Contd.	Contd.	Contd.	Drawing posters/writing slogans on saving the atmosphere
AUGUST	REVISION	REVISION	REVISION	REVISION	
SEPTEMBER	HALF YEARLY EXAM	HALF YEARLY EXAM	HALF YEARLY EXAM	HALF YEARLY EXAM	
OCTOBER	Ch-3 Building a resilient India	Ch-5 Authority	Ch-6 From ideas to start ups	Ch-1 Oceans and life	Project Topic: Agents of Gradation like 1.River 2.Waves and currents 3.Wind 4. Glaciers 5. Underground water.
NOVEMBER	Contd.	Contd.	Contd.	Contd.	
DECEMBER	Ch-4 India and the world	Revision	Ch-7 Smart ways to manage your finances	Ch-2 Life on earth	GROUP DISCUSSION Importance of budget, regular savings & spending wisely
JANUARY	Contd. REVISION	Revision	Contd.	Contd.	QUIZ for revision of topics
FEBRUARY	ANNUAL EXAM	ANNUAL EXAM	ANNUAL EXAM	ANNUAL EXAM	

Blue Print For Half yearly Exam

School Name: DAV PUBLIC SCHOOL NIT CAMPUS ADITYAPUR

Session : 2026-27

Class: IX

Subject: SOCIAL SCIENCE

Examination: Half-Yearly Examination

Maximum Marks:80

Time:3 Hrs

SL	Chapter	Topic	MCQ 1mrk	VSA 2mrk	SA 3mrk	LA 5 mrk	Case- based 4 mrk	Marks
1	1	Understanding Social Science	1		1			4
2	2	Shaping of the earth's surface	2	1		1		9
3	3	Atmosphere and climate	2	1			1	8+3(Map)
4	4	Beginnings of Civilisation	1		1	1		9
5	5	Society (up to 1000 CE)	1				1	5+2(Map)
6	6	Democracy	3	1			1	9
7	7	Elections	3		1	1		11
8	8	Building Blocks in Economics	3		1	1		11
9	9	The Price Puzzle:What drives the market	4	1	1			9
		Total No. of Questions 36 +1(Map)	20	4	5	4	3	80

MONTH	TOPIC	ACTIVITY/PROJECT
APRIL	CH.-1 The use of coordinate Geometry CH.- 3 The world of numbers	1(i) Construction of square root of given numbers (3,4,5,6,7) (spiral Method) ii) To represent some irrational numbers on the number line 2. To find the values of abscissa and ordinates of various points of any picture given in a cartesian plane.
MAY	CH. -4 Algebraic Identities	3). Verify the algebraic identity $(x+y+z)^2 = x^2+y^2+z^2+2xy+2yz+2xz$
JUNE	CH.-2 Introduction to Linear Polynomial CH.- 5 I'm up and down and round and round	4). Plotting of a line in a graph and identifying the slope 5). One unique circle can pass through 3 given non-collinear points. Prove geometrically. 6) To verify that the angles in the same segment of a circle are equal 7) To verify that the opposite angles of a cyclic quadrilateral are supplementary

JULY	CH.- 6 Measuring space : Perimeter And Area CH.- 7 The Mathematics of Maybe: Introduction to Probability CH.- 8 Predicting What Comes Next: Exploring Sequences and Progressions	8) To obtained the formula for the surface area of cone , cylinder, and sphere.
AUGUST	Triangles: Congruence Theorem	9) To verify experimentally the different criteria for congruence of triangles using triangle cut outs.
	Revision for 1st Term	
SEPTEMBER	Introduction to Euclid's Geometry Lines and Angles	10) To verify experimentally that if two lines intersects each other, then i) the vertically opposite angles are equal ii) the sum of two adjacent angles is 180°
OCTOBER	Quadrilaterals	11) Sum of angles of the Quadrilaterals is 360° 12) Mind Map of Quadrilaterals
NOVEMBER	Volume of Solid Objects	To obtained the formula for the volume of cone , cylinder and sphere experimentally.
DECEMBER	Statistics	13) To draw histograms for classes of equal

		widths and varying widths.
JANUARY 2027	Revision for 2nd Term	
FEBRUARY 2027	Revision for 2nd Term	

CLASS -IX ,

MATHEMATICS, BLUEPRINT (First Term)

Chapter	Section-A Objective type MCQs(1Marks)	Section -A AR Type (1mark)	Section- B SA Type (2 marks)	Section- c LA -I Type (3 marks)	Section- D LA-II Type (5 marks)	Section- E Case- Study (4 marks)	Total marks (no. of Qs)
Ch.-1 The use of coordinate	2		1			1	8(4 Qs.)
Ch.-2 Introduction to Linear polynomial	3			1		1	10 (5 Qs.)
Ch.-3 The world of numbers	1			1	1		9 (3 Qs.)
Ch.-4 Algebraic Identities	1	1	1	1			7 (4Qs.)
Ch,-5 I'm up and down and round and round	2			1	1		10 (4Qs.)

Ch.-6 Measuring Space: perimeter and area	2	1	1		1		10 (5Qs.)
Ch.-7 Probability	2		1			1	8 (4Qs.)
Ch.-8 Exploring Sequences and Progression	3		1	1			8 (5Qs.)
Triangle	2			1	1		10 (4Qs.)
Total marks (no. of Qs.)	18 (18)	2 (2)	10 (5)	18 (6)	20 (4)	12 (3)	80 (38)

ARTIFICIAL INTELLIGENCE (SUB. CODE 417)

	Employability Skills	Marks
PART A	Unit 1: Communication Skills-I	2
	Unit 2: Self-Management Skills-I	2
	Unit 3: ICT Skills-I	2
	Unit 4: Entrepreneurial Skills-I	2
	Unit 5: Green Skills-I	2
PART B	Subject Specific Skills	
	Unit 1: AI Reflection, Project Cycle and Ethics	10
	Unit 2: Data Literacy	10
	Unit 3: Math for AI (Statistics & Probability)	7
	Unit 4: Introduction to Generative AI	5
	Unit 5: Introduction to Python	8
PART C	Practical Work	
	Unit 5: Introduction to Python Practical File (minimum 15 programs)	15
	Practical Examination (Any 3 Python programs)	15
PART D	Viva Voce	05
	Student Portfolio	15
	GRAND TOTAL	100

FOR HALF YEARLY EXAMINATION	
Employability Skills	Marks
Unit 1: Communication Skills-I	2
Unit 2: Self-Management Skills-I	3
Unit 3: ICT Skills-I	5
Subject Specific Skills	
Unit 1: AI Reflection, Project Cycle and Ethics	20
Unit 2: Data Literacy	20
TOTAL	50

***** APRIL & MAY - Employability Skills *****

UNIT 1: AI REFLECTION, PROJECT CYCLE AND ETHICS		
MONTHS	SUB-UNIT	LEARNING OUTCOMES
JUNE	AI Reflection	To identify and appreciate Artificial Intelligence and describe its applications in daily life. To recognize, engage and relate with the three realms of AI: , Computer Vision, Data Statistics and Natural Language Processing.
	AI PROJECT CYCLE	Identify the AI Project Cycle framework. Learn problem scoping and ways to set goals for an AI project. Identify stakeholders involved in the problem scoped. Brainstorm on the ethical issues involved around the problem selected. Understand the iterative nature of problem scoping for in the AI project cycle. Foresee the kind of data required and the kind of analysis to be done. Share what the students have discussed so far.
JUNE & JULY	AI PROJECT CYCLE	Identify data requirements and find reliable sources to obtain relevant data. To understand the purpose of Data Visualisation Use various types of graphs to visualise acquired data. Understand modeling (Rule- based & Learning-based) Understand various evaluation techniques. Challenge students to think about how they can apply their knowledge of deployment in future AI projects and encourage them to continue exploring different deployment methods. To understand and reflect on the ethical issues around AI. To gain awareness around AI bias and AI access. To let the students analyse the advantages and disadvantages of Artificial Intelligence.

UNIT 2: DATA LITERACY:		
MONTHS	SUB-UNIT	LEARNING OUTCOMES
AUGUST	Basics of data literacy	Define data literacy and recognize its importance Understand how data literacy enables informed decision- making and critical thinking Apply the Data Literacy Process Framework to analyze and interpret data effectively Differentiate between Data Privacy and Security Identify potential risks associated with data breaches and unauthorized access. Learn measures to protect data privacy and enhance data security
	Acquiring Data, Processing, and Interpreting Data	Determine the best methods to acquire data. Classify different types of data and enlist different methodologies to acquire it. Define and describe data interpretation. Enlist and explain the different methods of data interpretation. Recognize the types of data interpretation. Realize the importance of data interpretation
	Project Interactive Data	Recognize the importance of data visualization Discover different methods of data visualization

	Dashboard & Presentation	
	UNIT 3: MATH FOR AI (Statistics & Probability)	
MONTHS	SUB-UNIT	LEARNING OUTCOMES
OCTOBER	Importance of Math for AI	Analyzing the data in the form of numbers/images and find the relation/pattern between the them. Use of Math in AI. Number Patterns , Picture Analogy
	Statistics	Understand the concept of Statistics in real life. Application in various real life scenarios
	Probability	Understand the concept of Probability in real life and explore various types of events. Application in various real-life scenarios

	UNIT 4: INTRODUCTION TO GENERATIVE AI:	
MONTHS	SUB-UNIT	LEARNING OUTCOMES
NOVEMBER	Generative AI & different kinds	Introduction to Generative AI Generative AI vs Conventional AI Types of Generative AI, Examples of Generative AI
	Generative AI works and how it learns	Benefits of using Generative AI Limitations of using Generative AI Recommended Activities:
	Generative AI tools	Generative AI tools Ethical considerations of using Generative AI

	UNIT 5: INTRODUCTION TO PYTHON:	
MONTHS	SUB-UNIT	LEARNING OUTCOMES
DECEMBER & JANUARY	programming skills through gamified platforms	Introduction to programming using Online Gaming portals like Code Combat.
	Acquire introductory Python programming skills in a very user-friendly format.	Introduction to Python language Introducing python programming and its applications Python Basics (Variables, Arithmetic Operators, Expressions, Comparison Operators, logical operators, Assignment Operators, Data Types - integer, float, strings, type conversion, using print() and input() functions) Simple problem-solving exercises on Python Compiler. Flow of control and Conditional and iterative statements (if, for and while) Basic problem-solving exercises using conditional and iterative statements Python Lists (Simple operations using list) Basic problem-solving exercises using lists on Python Compiler.
	UNIT 5: INTRODUCTION TO PYTHON: SUGGESTED PROGRAM LIST	
MONTHS	SUB-UNIT	LEARNING OUTCOMES

AUGUST	PRINT	• To print personal information like Name, Class • To find square of number 7 • To find the sum of two numbers 15 and 20. • To convert length given in KM into meters. • To print the table of 5 up to five terms. • To calculate Simple Interest if the $P = 2000$ $R = 4.5$ $T = 10$
OCTOBER	INPUT	• To calculate Area and Perimeter of a rectangle • To calculate Area of a triangle with Base and Height • To calculating average marks of 3 subjects • To calculate discounted amount with discount % • To calculate Surface Area and Volume of a Cuboid
NOVEMBER	LIST	• Create a list in Python of children selected for science quiz with following names- Arjun, Sonakshi, Vikram, Sandhya, Sonal, Isha, Kartik Perform the following tasks on the list in sequence- ◦ Print the whole list ◦ Delete the name "Vikram" from the list ◦ Add the name "Jay" at the end ◦ Remove the item which is at the second position. • Create a list num=[23,12,5,9,65,44] ◦ print the length of the list ◦ print the elements from second to fourth position using positive indexing ◦ print the elements from position third to fifth using negative indexing • Create a list of first 10 even numbers, add 1 to each list item and print the final list. • Create a list List_1=[10,20,30,40]. Add the elements [14,15,12] using extend function. Now sort the final list in ascending order and print.

DECEMBER	IF, FOR, WHILE	• Program to check if a person can vote • To check the grade of a student • Input a number and check if the number is positive, negative or zero and display message • To print first 10 natural numbers • To print first 10 even numbers • To print odd numbers from 1 to n • To print sum of first 10 natural numbers • Program to find the sum of all numbers in a list
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DAV PUBLIC SCHOOL ,NIT CAMPUS, ADITYAPUR

Class VIII SYLLABUS

Subject: English (2026-2027)

Books: English Literature ,My English Reader ,English Practice Book

Months	Literature	Reader	PracticeBook	Grammar/ Writing Skills
April	1.ThreeQuestions (Prose) 2.Granny'sTree Climbing (Poem)	1.Changing Times 2.Compassionate Souls	1.Tenses 2.Narration	1.Notice writing: (Competition camps, drives) 2.Article writing: Bridging the Generation Gap. Changing Trends in Family and Social Values
May	3.The Fun They Had (Prose) [to be assessed through internal assessment]	Compassionate Souls (continued)	Narration (continued)	3.Speech writing: Good Deeds Reflect Good Character Caring For the Elderly
June	4.Father's Help (Prose) 5.My Mother (Poem)	3.Enterprise	3. Modals 4. Subject-Verb Agreement	4.E-mail writing: i)Formal(leave/section change/change in mode of transport) ii)Informal (Invitation/expressing gratitude)
July	6.The Luncheon (Prose) 7.TheChildren's Song(Poem	4.Nature	5. Clauses and Complex Sentences 6.Linkers 7.Active and Passive Voice	5.Dialogue Completion Success comes to those who will and dare(article) Impact of Media on Teenagers (speech) Nature :A Great Teacher (Article)
August	8.The Case of the Sharp-Eyed Jeweller (Prose) 9.Couplets	5.Sports	8. Non-finites 9. Punctuation	6.Formal letter (Letter to the Editor) Value of Games and Sports in Life.(Article)
September	HALF YEARLY EXAMINATION			

October	10.The Undeserved Reward. (Prose) [to be assessed through internal assessment only] 11.Bangle Sellers (Poem) 12.A Bad Dream (Prose)	6.Tolerance	10. Reading for understanding 11. Getting Ready for class 9	Tolerance –The Need of the Hour (article)
November	Revision	Revision	Revision	Revision
December	Revision + Pre-Board	Revision + Pre-Board	Revision + Pre-Board	Revision + Pre-Board
January-February	Board Exam			

BLUEPRINT FORMAT FOR SYLLABUS

HALF-YEARLY/ANNUAL EXAMINATION BLUEPRINT FORMAT

School Name : DAV PUBLIC SCHOOL,NIT,ADIYAPUR

Session: 2026-27

Class: 8

Subject: ENGLISH

Examination: Half-Yearly Examination

Maximum Marks: 80

Time: 3 HOURS

Sl. No.	Unit/Chapter Literature	Topics Covered	MCQ(1)	VSA(1)	SA (2)	LA(6)	VBQ/Hots/ LS/ WS(4)	Marks
1	1	The Three Questions	1	3	1	-	-	6
2	2	Granny's Tree Climbing	1	3	1	-	-	6
3	3	Father's Help	-	-	1	-	1	6
4	4	My Mother (Poem)	-	-	1	-	-	2
5	5	The Luncheon	-	-	1	1	-	8
6	6	The Children's Song.(poem)	-	-	1	-	-	2
7	Reading skill	Comprehension passage 1&2	11	9	-	-	-	20
8	Grammar W.B. 1-6	Editing/Omission,	6	12	-	-	-	18

		Re-arranging/ Reported speech/ Gap filling						
9	Unit 1-3 (Reader)	Changing Times , Compassionate Souls, Enterprise	-	-	-	1X8	-	8
10	Writing skill	Long &short	-	-	-	-	1X4	4
TOTAL								80

DAV PUBLIC SCHOOL - CLASS VIII HINDI CURRICULUM & BLUEPRINT

Comprehensive Syllabus, Examination Structure, and Blueprint (2025–2027)

Section 1: Syllabus STD - 8 (2025–2026)

पाठ्यक्रम एवं परीक्षा प्रारूप (पाठ्य पुस्तकें: ज्ञान सागर, अभ्यास सागर)

1.1 माहवार पाठ्यक्रम (Monthly Syllabus Breakdown)

माह (Month)	ज्ञान सागर एवं अभ्यास सागर	व्याकरण एवं रचनात्मक लेखन
अप्रैल	ज्ञान-सागर (पाठ 1, 2, 3) अभ्यास-सागर (पाठ 1, 2, 3)	अनुस्वार, अनुनासिक, 'र' के विभिन्न प्रयोग, नुक्ता, अपठित काव्यांश, तत्सम-तद्भव, विराम चिह्न, अपठित गद्यांश, अनुच्छेद लेखन, उपसर्ग-प्रत्यय
मई	ज्ञान-सागर (पाठ 4, 6) अभ्यास-सागर (पाठ 4, 6)	अलंकार (अनुप्रास, उपमा, रूपक, मानवीकरण), कहानी लेखन, सूचना-लेखन, भाववाचक संज्ञा, वाक्यांश के लिए एक शब्द, वाक्य शुद्धिकरण
जून	ज्ञान-सागर (पाठ 7, 8, 9) अभ्यास-सागर (पाठ 7, 8, 9)	पत्र लेखन (औपचारिक एवं अनौपचारिक), विशेषण, प्रविशेषण, अलंकार (उत्प्रेक्षा, श्लेष, यमक, अतिशयोक्ति)

जुलाई	ज्ञान-सागर (पाठ 10, 11, 12) अभ्यास-सागर (पाठ 10, 11, 12)	संवाद-लेखन, संधि (स्वर संधि), समास (तत्पुरुष, द्विगु, द्वंद्व), निपात
अगस्त	ज्ञान-सागर (पाठ 13, 14, 15) अभ्यास-सागर (पाठ 13, 14, 15)	रचना के आधार पर वाक्य भेद, समास (अव्ययीभाव, कर्मधारय, बहुव्रीहि), डायरी- लेखन, व्यंजन संधि
सितम्बर	पुनरावृत्ति एवं संकलनात्मक मूल्यांकन	अर्धवार्षिक परीक्षा (Term-1 Exam)
अक्टूबर	ज्ञान-सागर (पाठ 17, 18, 19) अभ्यास-सागर (पाठ 17, 18, 19)	व्यंजन संधि, अर्थ के आधार पर वाक्य भेद
नवंबर	ज्ञान-सागर (पाठ 20) अभ्यास-सागर (पाठ 20)	पाठ्यक्रम की पूर्णता एवं पुनरावृत्ति
केवल पढ़ने के लिए	ज्ञान-सागर (पाठ 5 एवं पाठ 16)	केवल पठन-पाठन हेतु (मूल्यांकन में शामिल नहीं)

1.2 प्रश्न पत्र का प्रारूप एवं अंक योजना (Question Paper Structure & Weightage)

खण्ड एवं प्रश्न प्रकार	निर्धारित अंक	कुल भार (100)
खंड 'क': दो अपठित गद्यांश (लगभग 200 शब्दों के) - तीन बहुविकल्पीय प्रश्न ($1 \times 3 = 3$) - दो लघुत्तरात्मक प्रश्न ($2 \times 2 = 4$)	7 + 7	14 अंक
खंड 'ख': व्यावहारिक व्याकरण (विकल्प सहित - 1 अंकीय 20 प्रश्न उप-भाग सहित)	1 × 20	20 अंक
खंड 'ग': पाठ्यपुस्तक (ज्ञान सागर) - पठित गद्यांश (बहुविकल्पीय: $1 \times 5 = 5$) - लघुत्तरात्मक प्रश्न (पाँच प्रश्न विकल्प सहित: $2 \times 5 = 10$) - पद्य भाग पर आधारित पठित काव्यांश	5 + 10 = 15 5 + 6 = 11	26 अंक

(बहुविकल्पीय: $1 \times 5 = 5$, लघुतरात्मक:

6)

खंड 'घ': रचनात्मक लेखन		
- अनुच्छेद लेखन (5 अंक)		
- पत्र लेखन (5 अंक)	5 + 5 + 5 + 5	20 अंक
- संवाद लेखन (5 अंक)		
- सूचना लेखन (5 अंक)		
लिखित परीक्षा कुल योग		80 अंक
आंतरिक मूल्यांकन / पोर्टफोलियो	5	5 अंक
सामयिक आकलन (Periodic Assessment)	5	5 अंक
बहुविध आकलन (Multiple Assessment)	5 + 5	10 अंक
आंतरिक मूल्यांकन कुल योग		20 अंक
सर्वकुल योग (Grand Total)		100 अंक

1.3 परीक्षावार पाठ्यक्रम विवरण (Exam-wise Curriculum Breakdown)

प्रथम इकाई परीक्षा (Unit Test - 1):

- ज्ञान-सागर: पाठ 1 एवं 2
- अभ्यास-सागर: पाठ 1 एवं 2

द्वितीय इकाई परीक्षा (Unit Test - 2):

- ज्ञान-सागर: पाठ 3 एवं 4
- अभ्यास-सागर: पाठ 3 एवं 4
- व्याकरण/लेखन: औपचारिक पत्र

प्रथम सत्र परीक्षा (TERM-1 Exam 2025-26):

- ज्ञान-सागर: पाठ 1 से केवल अभ्यास-सागर के प्रश्न पूछे जाएँगे
- व्याकरण एवं रचनात्मक लेखन: पत्र (औपचारिक एवं अनौपचारिक), अनुच्छेद लेखन, सूचना लेखन

तृतीय इकाई परीक्षा (Unit Test - 3):

- ज्ञान-सागर: पाठ 14 एवं 15
- अभ्यास-सागर: पाठ 14 एवं 15
- व्याकरण/लेखन: अनुच्छेद लेखन

Pre-Board एवं वार्षिक परीक्षा (PRE & BOARD / TERM-2 2025-26):

- ज्ञान-सागर: पाठ 1, 14, 15 तथा 20 से केवल अभ्यास-सागर के प्रश्न पूछे जाएँगे
- व्याकरण एवं रचनात्मक लेखन: पत्र (औपचारिक एवं अनौपचारिक), अनुच्छेद लेखन, सूचना लेखन, संवाद लेखन
- नोट: Term-2 का पाठ्यक्रम Pre-Board परीक्षा के समान रहेगा।

Section 2: New Blueprint Class VIII (Half Yearly 2026–2027)

DAV PUBLIC SCHOOL — Class VIII Hindi Blueprint (Half Yearly Examination 2026-27)

2.1 पाठ्यपुस्तक एवं व्याकरण अंक विभाजन सारणी (Chapter-wise Marks Distribution)

क्र.	पाठ का नाम	संबंधित व्याकरण	MCQ 1mark	VSA 2mark	SA 3 mark	LA 4 mark	Value Based 2 mark	कुल अंक
1	हम पंछी उन्मुक्त गगन के	अनुस्वार, अनुनासिक, अनेक शब्दों के लिए एक शब्द, मुहावरे, अपठित काव्यांश	1	1	1			6
2	असल धन	विराम-चिह्न, विशेषण	1	1	1	-	-	6
3	अच्छे पड़ोसी के गुण	अपठित गद्यांश, उपसर्ग, प्रत्यय		2	1	-	-	7
4	दोपहरी	अलंकार (अनुप्रा	3		1		-	6

		स, उपमा, रूपक, मानवी करणा), अपठित काव्यांश						
5	आश्रम के अतिथि एवं संस्मरण	भाववाच क संज्ञा, अपठित गद्यांश	2	2		-	-	6
6	अन्याय के खिलाफ लड़ाई	वाक्यां शों के लिए एक शब्द		1	1	-	-	5
7	दोहे	अलंका र (उत्प्रेक्षा, यमक, श्लेष, अतिश योक्ति), अपठित काव्यांश	1	1		-	-	5
8	बातचीत की कला	संधि (स्वर संधि)	1	1	1		-	6

9	सितारों से आगे	समास	2	2	-	-	6
10	पौधों के पंख	निपात, अपठित गद्यांश	1	1	-	1	7

2.2 अंक विभाजन संक्षेप (Marks Summary)

विषय/भाग (Subject / Section)	कुल निर्धारित अंक (Total Marks)
ज्ञान सागर (पाठ्यपुस्तक)	40 अंक
व्याकरण एवं अपठित बोध	40 अंक (20 + 20)
लिखित परीक्षा कुल योग	80 अंक

2.3 रचनात्मक लेखन (Creative Writing - 20 Marks)

रचनात्मक लेखन विषय (Topic)	निर्धारित अंक (Marks)
औपचारिक / अनौपचारिक पत्र लेखन	5 अंक
अनुच्छेद लेखन	5 अंक
संवाद लेखन	5 अंक
सूचना लेखन	5 अंक
रचनात्मक लेखन कुल योग	20 अंक

SANSKRIT SYLLABUS TERM-1

मासा:	पाठा:	विषया:	अङ्का:	व्याकरणपाठा:	अङ्का:	
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अप्रैलमासः	प्रथमपाठः द्वितीयपाठः	सुवचनानि वसुधैव कुटुम्बकम्	5 3+2	अपठित-अवबोधनम् - एकः सरलसंस्कृतगद्यांशः (60-80 शब्दमितम्) प्रत्ययाः - क्त्वा, ल्यप्, तुमुन् उपसर्गाः - अनु, अव, आ, उत्, उप, अप, निर, दुर, नि, प्र, प्रति, परि, वि, सम्, सु वर्णमाला - वर्णविच्छेदः वर्णसंयोजनञ्च सन्धिः - दीर्घः, गुणः, वृद्धिः, यण्, अनुस्वार सन्धिः	10 3 2 2 2 1	
मईमासः	तृतीयपाठः	अहम् नदी अस्मि	4+1	पत्रलेखनम् (रिक्तस्थानपूर्तिद्वारा) चित्रवर्णनम् अथवा अनुच्छेदलेखनम् संवादपूर्तिः / कथापूर्तिः वा मजूषायाः सहायतया (रिक्तस्थानपूर्तिमाध्यमेन) संख्या - एकतः शतं पर्यन्तम् (एकतः चतुःपर्यन्तम् त्रिषु लिङ्गेषु) केवलं प्रथमा विभक्तिः पञ्चतः शतं पर्यन्तम्	5 5 5 1 2	
जूनमासः	चतुर्थपाठः	क्षमस्व महर्षे !	5	शब्दरूपाणि अकारान्त पुलिङ्गशब्दाः - रामवत् आकारान्तस्त्रीलिङ्गशब्दाः- लतावत् अकारान्तनपुंसकलिङ्गशब्दाः - फलवत् इकारान्तपुलिङ्गशब्दाः - मुनिवत् ईकारान्तस्त्रीलिङ्गशब्दाः - नदीवत् उकारान्तपुलिङ्गशब्दाः - साधुवत् सर्वनामशब्दाः- अस्मद्, युष्मद्, किम् (त्रिषु लिङ्गेषु) तत् (त्रिषु लिङ्गेषु) एतत् (त्रिषु लिङ्गेषु) भवत् पुल्लिङ्गे धातुरूपाणि- परस्मैपदिनः (पञ्चलकारेषु) पठ्, गम्, दृश्, स्था, स्मृ अस्, भू, वद्, कृ. पा, लिख्, नम् आत्मनेपदिनः (लटलकारे) - सेव्, लभ्, रुच्, शुभ्	3 2 1	
जुलाईमासः	पंचमपाठः	दिव्या गीर्वाणभारती	5	कारकाणि उपपदविभक्तयः च द्वितीया - परितः, उभयतः, प्रति, विना, गम् तृतीया - अलम्, सह, विना	1 3	

				चतुर्थी - नमः, दा/पच्छ, रूच् पञ्चमी - बहिः, पृथक्, विना षष्ठी- उपरि, अधः, पुरतः, पृष्ठतः सप्तमी -विश्वस्, स्निह्, निपुण अव्ययपदानि - अत्र, तत्र, कुत्र, सर्वत्र, यदा, तदा, कदा, इतस्ततः, अपि, कुतः, कथम्, किमर्थम्, अधुना, एव, उच्चैः, ह्यः अद्य, श्वः	2	
अगस्तमा सः	षष्ठपाठः सप्तमपा ठः	मधुराणि वचनानि सफलं तस्य जीवितम्	4+1 कुल - अङ्काः=30			

TERM-2

मासाः	पाठाः	विषयाः	व्याकरणपाठाः
सितम्बरमासः	अष्टमपाठः	क्रोधेन कार्यं न सिध्यति	
अक्टूबरमासः	नवमपाठः दशमपाठः	अविश्वस्ते न विश्वसेत् गुणाः पूजास्थानम्	पुनरावृत्तिः
नवम्बरमासः	एकादशपाठः	हितं मनोहारि च दुर्लभं वचः (केवलम् आन्तरिक-मूल्यांकनाय)	पुनरावृत्तिः
दिसम्बरमासः	द्वादशपाठः	स्वाध्यायात् मा प्रमदः (केवलम् आन्तरिकमूल्यांकनाय)	पुनरावृत्तिः
जनवरीमासः	पुनरावृत्तिः प्री बोर्ड परीक्षा	पुनरावृत्तिः प्री बोर्ड परीक्षा	पुनरावृत्तिः प्री बोर्ड परीक्षा

प्रश्नपत्राणां प्रारूपम्

1. विषयाणां वर्गीकरणम्

उद्देश्यानि	अपठितावबोधनम्	रचनात्मककार्यम्	अनुप्रयुक्तव्याकरणम्	पठितावबोधनम्	योगः
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अङ्कानां प्रतिशतम्	12.50%	18.75%	31.25%	37.50%	100%
अङ्काः	10	15	25	30	80

2. प्रश्नानां वर्गीकरणम्

प्रश्नप्रकाराः	दीर्घोत्तराणि	लघूत्तराणि	अतिलघूत्तराणि	बहुवैकल्पिक उत्तराणि	योगः
प्रश्नसङ्ख्याः	5	29	14	18	66
अङ्काः	22	29	11	18	80

3. विषयाधिभारः

क्रमसङ्ख्या	विषयाः	अङ्काः
1	खण्डः 'क' अपठित अवबोधनम्	10
2	खण्डः 'ख' रचनात्मक कार्यम्	15
3	खण्डः 'ग' अनुप्रयुक्त-व्याकरणम्	25
4	खण्डः 'घ' पठित-अवबोधनम्	30
	योगः	80

4. खण्ड योजना - क, ख, ग, घ

5. काठिन्य-निर्धारणम् -

1. कठिन-प्रश्नाः -10
2. सामान्य-प्रश्नाः - 50
3. सरल-प्रश्नाः - 40

6. उत्तराणाम् अनुमानिता शब्दसीमा समय-संयोजनम् च

प्रश्नप्रकाराः	अनुमानित-शब्दसीमा	अनुमानित-अवधिः
दीर्घोत्तराणि	50-80 शब्दाः	एकहोरा
लघूत्तराणि	10-30 शब्दाः	एकहोरा
अतिलघूत्तराणि	एकपदात्मकानि	अर्द्धहोरा

बहुवैकल्पिक-उत्तराणि	एकपदात्मकानि	अर्द्धहोरा
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लिखित मूल्याङ्कन

प्रश्नों के प्रकार	प्रश्नों की संख्या	आवंटित अंक	कुल अंक
बहुविकल्पीय प्रश्न	6	1	6
अतिलघूत्तरीय प्रश्न	8	1	8
लघूत्तरीय प्रश्न	4	2	8
दीर्घोत्तरीय प्रश्न (केस आधारित)	3	3	9
दीर्घोत्तरीय प्रश्न	3	3	9
कुल अंक			40

SUBJECT : MATHEMATICS

SESSION-2026-2027

Month	Chapter
APRIL	1. Square and square roots. 2. Cube and Cube roots. 3. Exponents and Radicals
MAY	4. Direct and Inverse Variation
JUNE	7. Algebraic Identities 5. Profit, Loss and Discount
JULY	10. Parallel lines. 8. Polynomials 9. Linear Equations in One Variable
AUGUST	13. Introduction to Graphs 11. Understanding quadrilaterals 6. Compound Interest

SEPTEMBER	Revision
OCTOBER	14. Mensuration 15. Statistics and Probability
NOVEMBER	Revision
DECEMBER	Revision and Preboard
JANUARY	Revision

Weightage to form of questions (As per DAV CAE)

Form of Questions	MCQ/ Assertion Reasoning (1 mark)	Case Study Based questions . (4 marks)	Short answer - 1 (2marks)	Short answer - 2 (3 marks)	Long answer (5 marks)	Total
No of Questions	18+ 2	3 (1+1+2)	5	6	4	38
Marks Allotted	20	12	10	18	20	80

Activities for Term -1

Class - 8 : Half Yearly Examination Blueprint

Mathematics Weightage & Exam Blueprint

Chapter Name	1 MCQ(1 Mark)[20 Qs]	VSA(2 Marks)[5 Qs]	SA(3 Marks)[6 Qs]	LA(5 Marks)[4 Qs]	CB(4 Marks)[3 Qs]	Total Marks[38 Qs]
1. Square and square roots	3 (3)	1 (2) or		1 (5)		10
2. Cube and cube roots	3 (3)		1 (3)			06
3. Exponent	3 (3)	-	1 (3) or			06

and Radicals						
4. Direct and Indirect Variation	2 (2)	1 (2)		1 (5) or		09
5. Algebraic Identities	2 (2)	1 (2)		1 (5) or		09
6. Profit Loss	1 (1)		1 (3)		1 (4)	08
7. Polynomials	1 (1)	1 (2) or	1 (3)		1 (4)	10
8. Linear Eqn in 1 variable	2 (2)		1 (3) or		1 (4)	09
9. Parallel lines	2 (2)	1 (2)	1 (3)			07
10. Introduction to graphs	1 (1)			1 (5)		06
Total Questions	20 Qs	5 Qs	6 Qs	4 Qs	3 Qs	80 Marks

Activities for Term -1

1. Find the side of a square sheet of given area 46225 cm^2 and create a beautiful greeting card with a Mathematical quotation.
2. Verify the algebraic identity $(a + b + c)^2 = a^2 + b^2 + c^2 + 2ab + 2bc + 2ca$
3. Make a Cylindrical pen stand and find its total surface area .

Activities for Term : II

4. Construct the quadrilateral when following measurements are given
 - a) When four sides and one diagonal is given.
 - b) When three sides and two diagonals are given.
 - c) When two adjacent sides and three angles are given

d) When three sides and two included angles are given

5. Verify the Sum of Exterior angles of a polygon is 360° . Also prove it for a triangle and Quadrilateral. 6. Make Cut outs of the following shapes and write down their order of rotation and angle of rotation.
(i) Equilateral triangle (ii) Rectangle

SUBJECT - SCIENCE AND TECHNOLOGY

MONTH	Chapters	ACTIVITY
APRIL	Force And Pressure Sources Of Energy The Cell – Its Structure and Functions (Up to Levels of organisation)	Demonstration On Solid, Liquid and Air Pressure From Daily Life Example Observing plant cells in onion peel, chart – Different types of cell organelles
MAY	Friction Combustion Cell (comparison of plant and animal cell)	Activity on static, sliding and rolling friction Collect some materials and classify as combustible and non-combustible To show that air is needed for combustion Model making : Plant and animal Cell using eco-friendly materials
JUNE	Friction Combustion Conservation of plants and animals (for internal assessment only) Earthquake (for internal assessment only)	Daily life example To show the different zones of flames of candle Picture gallery on different types of plant and animal species, to create awareness about environment by conducting quiz. To identify earthquake prone areas Chart preparation
JULY	Electric current and its chemical effects Microorganisms : Friends or foes Pollution of air (for internal assessment only)	Electrolysis of water Electroplating To show that achievement of ignition temperature is must for combustion Spotting of different microorganism through slides Different diseases and their vaccines
AUGUST	Refraction and dispersion of light (NOT IN THE PORTION FOR HALF-YEARLY EXAM) Stars and Solar system (for internal assessment only) Metals and non-metals (NOT IN THE PORTION FOR HALF-YEARLY EXAM)	Ray diagram, glass slab activity, demonstration of prism and lens, to show thermal and electrical conductivity of metals, to show the reaction of metal with water and acid, Model /chart – male and female reproductive system, Effects of over population, Making of different agricultural implements.

	Pollution of water (for internal assessment only) Crop production and its management (for internal assessment only) Reproduction in animals (NOT IN THE PORTION FOR HALF-YEARLY EXAM)	
SEPTEMBER	HALF-YEARLY EXAMINATION	

MONTH	Chapters	ACTIVITY
OCTOBER	The human eye Sound Synthetic fibres and plastics Reaching the age of adolescence	Diagram of human eye and function of each part Use in daily life Skit on gender sensitization. Poster making - reproductive health and drug related issues.
NOVEMBER	Revision Sample paper discussion	
DECEMBER	Preboard Exams Revision Sample paper discussion	
JANUARY	Revision Sample paper discussion	
FEBRUARY	Revision	

Blue Print

Sl. No.	Types of questions	No. of Question	Marks per question	Total Marks
1	i) MCQ	16	1	16
2	ii) Assertion - Reason	4	1	4
3	Short Answer - I	6	2	12
4	Short answer - II	7	3	21
5	Long Answer	3	5	15

6	Case Study	3	4	12
	Total	39		80

SOCIAL SCIENCE		STD VIII (2026-2027)	
BOOK- WE AND OUR WORLD (BY DAV CMC)			
MONTH	GEOGRAPHY	HISTORY	CIVICS
APRIL	Chapter-1. Resource Utilisation and Development ACTIVITY- List out five resources you use in your classroom and five you use at your home	Chapter-8. The Modern Period	Chapter-16. Our Constitution
MAY	Chapter-2 Natural resources : ACTIVITY- Poster making on the topic Soil or Water conservation. MAP WORK	Chapter-9. Establishment of company rule in India . (part of internal assessment only) ACTIVITY-prepare timeline chart Interdisciplinary project-1	Chapter-17.Fundamental rights, Fundamental duties and Directive Principles of the State Policy
JUNE	Chapter-3.Natural resources Vegetation and Wildlife - For internal assessment only Chapter- 4.Mineral and Energy Resources- For internal assessment only ACTIVITY-Flow Chart on the topic-Type of forest.	Chapter-10. Colonialism- Rural and Tribal society	Chapter-18. The Union Government :The Legislature ACTIVITY-Categorise various subjects in the Union, State, Concurrent and residuary subjects. • Compare Lok Sabha and Rajya on the basis of composition, tenure, qualification and presiding officer
JULY	Chapter-5.Agriculture ACTIVITY-MAP WORK	Chapter-11The first war of Independence 1857 ACTIVITY-MAP WORK Chapter-12 Impact. Of British Rule in India	Chapter- 19. The Union Government: The Executive (to be assessed in Annual)
AUGUST	REVISION for HALF YEARLY	Chapter-13 Colonialism and Urban changes (To be Assessed in Periodic test Only and will not be evaluated in the Annual Examination)	ACTIVITY-Interdisciplinary Project-2 (Based on the chapters Chapter-21Social Justice and Marginalisation- For internal assessment only Chapter- 22-Safeguarding the Marginalized) – For internal assessment only

SEPTEMBER	REVISION, HALF-YEARLY		
OCTOBER	Chapter-6 Manufacturing Industry(For UNIT-3 Only) Chapter-7. Human Resource	Chapter-14 The Nationalist movement Timeline on all sessions of the Indian National Congress. MAP- Sessions of INC, places associated with major events of the national movement.	Chapter-20 The Union Government : The Judiciary Outline the powers and functions of the Supreme court and the High courts
NOVEMBER	REVISION REVISION TESTS PRE BOARD		
DECEMBER			
JANUARY			
FEBRUARY	ANNUAL EXAMINATION		

BLUE PRINT (40 MARKS)

	HISTORY(13)	CIVICS(13)	GEOGRAPHY(14)
One word answer question	1 X1=1	1X1=1	1X1=1
Very short answer question	2X2=4	2X2=4	2X1=2
Short answer question	3X1=3	3X1=3	3X1=3
Long answer question	5X1=5	5X1=5	5X1=5
Diagram			1X3=3

BLUE PRINT FORMAT

**HALF YEARLY EXAMINATION BLUE PRINT
FORMAT**

SCHOOL- DAV PUBLIC SCHOOL, NIT CAMPUS

SESSION- 2026-2027

CLASS- VIII

SUBJECT- SOCIAL SCIENCE

EXAMINATION – HALF YEARLY

MAXIMUM MARKS- 80

TIME- 3 HOURS

SL.NO	UNIT/CHAPTER	TOPICS COVERED	MCQ (1) (marks x no. of qs)	VSA (2) (marks x no. of qs)	SA (3) (marks x no. of qs)	LA (5) (marks x no. of qs)	CASE BASED (4) (marks x no. of qs)	MAP (marks x no. of qs)	MARKS
1.	UNIT-1 GEOGRAPHY								
	CHAPTER-1	RESOURCES- UTILIZATION AND DEVELOPMENT	1x2=2	2x1=2	-	-	-	-	27(GEO)
	CHAPTER-2	NATURAL RESOURCES- LAND, SOIL AND WATER	1x1=1	-	3x1=3	5x1=5	-	3x1=3	
	CHAPTER- 5	AGRICULTURE	1x2=2	-	-	5x1=5	4x1=4	-	
2.	UNIT- 2 HISTORY								
	CHAPTER- 8	MODERN PERIOD	1x2=2	2x1=2	-	-	-	-	27(HIS)
	CHAPTER- 10	COLONIALISM- RURAL AND TRIBAL	1x3=3	-	3x1=3	-	4x1=4	2x1=2	
	CHAPTER- 11	THE FIRST WAR OF INDEPENDENCE- THE REVOLT OF 1857	1x3=3	-	3x1=3	5x1=5			

3.	UNIT- 3 CIVICS								
	CHAPTER- 16	OUR CONSTITUTION	1x1=1	2x1=2	-	-	4x1=4	-	26(CIV)
	CHAPTER- 17	FUNDAMENTAL RIGHTS, FUNDAMENTAL DUTIES AND DIRECTIVE PRINCIPLES OF STATE POLICY	1x3=3	-	3x1=3	5x1=5	-	-	
	CHAPTER- 18	THE UNION GOVERNMENT- THE UNION LEGISLATURE	1x3=3	2x1=2	3x1=3	-	-	-	

BLUE PRINT (80 MARKS) OF ANNUAL EXAMINATION WILL BE AS PER DAV CMC

INTERNAL ASSESSMENT- 20 Marks (as per DAV CMC)

PERIODIC TESTS	(05 MARKS)	-----
MULTIPLE ASSESSMENTS	(05 MARKS)	QUIZ, DEBATE, SPEECHES
SUBJECT ENRICHMENT	(05 MARKS)	POSTER, TIME LINE CHARTS, FLOW CHARTS
PORTFOLIO	(05 MARKS)	CLASS WORK, HOME WORK, MAP, DIAGRAM

**SCHOOL NIT CAMPUS ADITYAPUR
SYLLABUS STD VIII SESSION- 2026-27**

लिखित मूल्यांकन - 40 अंक

आंतरिक मूल्यांकन - 60 अंक

Term-1	पाठ	लिखित मूल्यांकन	आंतरिक मूल्यांकन
April	1. प्रार्थना	3	5
	2. आर्य समाज के नियम	2	-

May	3.बडबोली तू क्यों बोली	3	5
June	4.साथी हाथ बटाना	3	5
	5.और उसने सुना	3	5
July	6. मैं मंथरा	3	5
	7.क्षमाशील स्वामी दयानंद	3	5
August	पुनरावृत्ति	—	—
Term-2			
September	8. कुछ तो लोग कहेंगे	3	5
	9. मतभेद अथवा मनभेद	3	5
October	10.आखिर यह दिन इतना भी बुरा नहीं था	3	5
	11. अनुकृत की डायरी	3	5
November	12. मेरा लाल रुमाल	3	5
	13. म्यूजिकल चेयर	3	5
December	14.आर्य समाज के नियम	2	—
	कुल अंक	40	60

लिखित मूल्यांकन

प्रश्नों के प्रकार	प्रश्नों की संख्या	आवंटित अंक	कुल अंक

बहुविकल्पीय प्रश्न	6	1	6
अतिलघूत्तरीय प्रश्न	8	1	8
लघूत्तरीय प्रश्न	4	2	8
दीर्घोत्तरीय प्रश्न (केस आधारित)	3	3	9
दीर्घोत्तरीय प्रश्न	3	3	9
कुल अंक			40

SUBJECT: GENERAL KNOWLEDGE. SESSION-2026-27. CLASS-VIII

April	Unit 1	Language and Literature
May	Unit 2	Environment Around
June	Unit 3	Current Affairs
July	Unit 4	World Around
August	Unit 4	Art and Culture(pg. 78-95)
September	Half-yearly exam	Half Yearly Exam(portion covered till september)
October	Unit 5	Art and Culture(pg 96-103)
November	Unit 6	Math Magic
December	Revision	Sports and Games
January	Revision	Full syllabus revision+ Current Affairs

February	Final Exam	Complete Syllabus
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DAV PUBLIC SCHOOLS, JHARKHAND ZONE-L

SYLLABUS : 2026-2027

SUBJECT : Computer

Class : VIII

Sl No.	Month	Chapter
1	April	Let Us Explore – Computer Network
2	May/June	HTML-I & List and Tables in HTML
3	July	HTML-II
4	August	Identifying Network Resources and Computer
5	September	Problem Solving, Programming with QBASIC
6	October	Looping in QBASIC & Project Handling
7	November	The Cyber World, Cyber Crime and The Law Revision
8	December	Revision
9	January	Revision

D.A.V. PUBLIC SCHOOL, NIT CAMPUS, ADITYAPUR

JHARKHAND ZONE-L

ENGLISH LANGUAGE & LITERATURE (Code-184)

SYLLABUS STD –X SESSION 2026-27

Month	Book Name : First Flight	Book Name : Footprints Without Feet	Grammar/Writing Section
April	1.A Letter to God (Prose) Dust of Snow(Poem) Fire and Ice(Poem)	1.A Triumph of Surgery (Prose) 2. The Thief's Story (Prose)	Determiners Modals
May	2.Nelson Mandela : Long Walk to Freedom(Prose) A Tiger in the Zoo(Poem)	3. The Midnight Visitor (Prose)	Formal Letter (Enquiry , Complaint Letter)
June	3. Two Stories about Flying (Prose) How to Tell Wild Animals(Poem)	4. A Question of Trust (Prose)	Tenses Letter to the Editor
July	The Ball Poem(Poem) 4.From the Diary of Anne Frank(Prose) 5. Glimpses of India (Prose) (Part I, II & III)	5. Footprints without Feet (Prose) 6. The Making of a Scientist (Prose)	Subject-Verb Concord Formal Letter (Placing an Order)
August	Amanda(Poem) 6.Mijbil the Otter (Prose) The Trees(Poem) 7. Madam Rides the Bus (Prose)	7. The Necklace (Prose)	Reported Speech (Questions/Commands/requests/Statements) Analytical Paragraph
September	Revision and Half Yearly Exam MM:80		
October	8.The Sermon at Benares(Prose) Fog(Poem) 9.. The Proposal (Play) The Tale of Custard the Dragon(Poem) For Anne Gregory (Poem)	8. Bholi (Prose) 9. The Book That Saved the Earth (Prose)	Revision of Writing Section(Analytical Paragraph, Formal letters) Integrated Grammar practice

November	Revision	Revision	Revision
December	Pre-Board Exam MM:80		
January	REVISION	REVISION	REVISION
February - March	Board Exam		

BLUEPRINT FORMAT FOR SYLLABUS

HALF-YEARLY/ANNUAL EXAMINATION BLUEPRINT FORMAT

School Name : DAV PUBLIC SCHOOL,NIT,ADIYAPUR

Session: 2026-27

Class: 10

Subject: ENGLISH

Examination: Half-Yearly Examination

Maximum Marks: 80

Time: 3 HOURS

Sl. No.	Unit/Chapter	Topics Covered	MCQ(1)	VSA(1)	SA (2,3)	LA(5,6)	OBJ (1)	Marks
1	Book I-Ch1	A letter to God	1	4				5 (RTC)
2	2	Nelson Mandela - Long Walk to Freedom			1x3			3
3	3	Two Stories About Flying				1x6		6
4	4	From the Diary of Anne Frank	-	-	1x3		-	3
5	5	Glimpses of India						
6	Poems : 1	Dust of Snow			1x3			3
7	2	Fire and Ice			1x3			3
8	3	A Tiger in the Zoo	1	4				5(RTC)

9	4	How to Tell Wild Animals						
10	5	The Ball Poem						
11	Book -2 Ch 1	A Triumph of Surgery				1x6		6
12	2	The Thief's Story			1x3			3
13	3	The Midnight Visitor			1x3			3
14	4	A Question of Trust						
15	Reading skill	Passage 1 Passage 2	2+2	2+2	2+2	-	2+2	20
16	Writing skill	Formal Letter Analytical Paragraph	-	-		2X5	-	10
17	Grammar	Integrated	4	2	-	-	4	10
TOTAL								80

INTERNAL ASSESSMENT 20 Marks	
Periodic Pen and Paper Tests	05 Marks
Multiple Assessments (Quiz /Oral/Discussions/Presentations etc.)	05 Marks
Portfolio	05 Marks

Subject Enrichment projects(ALS/Art/IKS/Tech Integrated)	05 Marks
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CLASS -X

विषय -हिंदी (002)

माह	निर्धारित पुस्तक 1. क्षितिज एवं कृतिका भाग-2	व्याकरण एवं लेखन
अप्रैल	1.सूरदास के पद, 2.नेताजी का चश्मा (क्षितिज भाग -२) 1.माता का अंचल (कृतिका भाग -२)	रचना के आधार पर वाक्य भेद ,संदेश लेखन
मई	3.आत्मकथ्य (क्षितिज भाग -२)	वाच्य,पत्र लेखन
जून	4.बालगोबिन भगत5.लखनवीं अंदाज़ 6.उत्साह,अट नहीं रही (क्षितिज भाग -२)	अलंकार(उपमा,रूपक,अतिशयोक्ति मानवीकरण,उत्प्रेक्षा) ई मेल
जुलाई	7.एक कहानी यह भी, (क्षितिज भाग -२) 2.साना -साना हाथ जोड़ि (कृतिका (भाग-२) 8.राम-लक्ष्मण-परशुराम संवाद	पद परिचय, स्ववृत्त लेखन
अगस्त	9.संस्कृति,यह दंतुरित मुस्कान 10.फसल (क्षितिज भाग-२) (दोनों पाठ केवल पढ़ाए जाएँगे प्रथम सत्र में इनसे प्रश्न नहीं पूछे जाएँगे यह द्वितीय सत्र के लिए है)	विज्ञापन लेखन अनुच्छेद लेखन
सितम्बर	पुनरावृत्ति एवं अर्द्धवार्षिक परीक्षा	

आंतरिक मूल्यांकन	भक्तिकाल के पाँच कवियों का सचित्र जीवन परिचय, कार्य क्षेत्र तथा उनकी प्रमुख रचनाओं का उल्लेख करते हुए आकर्षक परियोजना तैयार करें	*****
	TERM-II	
अक्टूबर	11. नौबतखाने में इबादत 12. संगतकार (क्षितिज भाग -2) 3. मैं क्यों लिखता हूँ (कृतिका भाग -2)	(व्याकरण) पुनरावृत्ति
नवंबर एवं दिसंबर	पुनरावृत्ति एवं प्री बोर्ड	As per CBSE
आंतरिक मूल्यांकन	हिंदी भाषा एवं रोजगार विषय पर आलेख लिखकर भाषण के रूप में कक्षा में प्रस्तुति (शिक्षक अपनी पसंद का विषय दे सकते हैं)	*****

BLUE PRINT

विषय -वस्तु	उपभार	कुलभार
खण्ड -क (अपठित बोध)		
बहुविकल्पीय प्रश्न एवं दो प्रश्न अतिलघुतरात्मक एवं लघुतरात्मक	1x3=3 2x2=4	7
बहुविकल्पीय प्रश्न एवं दो प्रश्न अतिलघुतरात्मक एवं लघुतरात्मक	1x3=3 2x2=4	7
खंड -ख (व्यावहारिक व्याकरण)		
रचना के आधार पर वाक्य भेद (पाँच में से चार प्रश्न)	1x4=4	
वाच्य (पाँच में से चार प्रश्न)	1x4=4	
पद परिचय (पाँच में से चार प्रश्न)	1x4=4	
अलंकार (पाँच में से चार प्रश्न)	1x4=4	16
खंड ग (पाठ्य पुस्तक)		
क्षितिज से निर्धारित पाठों में से पाँच बहुविकल्पीय प्रश्न	1x5=5	
क्षितिज से निर्धारित गद्य पाठों के आधार पर (चार में से तीन प्रश्न)	2x3=6	
क्षितिज से निर्धारित कविताओं में से काव्यांश के आधार पर	1x5=5	

पाँच बहुविकल्पीय प्रश्न		
क्षितिज से निर्धारित कविताओं के आधार पर (चार में से तीन प्रश्न)	2x3=6	
कृतिका के निर्धारित पाठों पर आधारित (तीन में से दो प्रश्न)	4x2=8	30
खंड घ। (रचनात्मक लेखन)		
अनुच्छेद लेखन (तीन में से कोई एक)	6	
औपचारिक अथवा अनौपचारिक पत्र	5	
स्ववृत्त लेखन अथवा ई मेल लेखन	5	
विज्ञापन लेखन अथवा संदेश लेखन	4	20
आंतरिक मूल्यांकन		
सामयिक आकलन	5	
बहुविध आकलन	5	
पोर्टफोलियो	5	
श्रवण एवं वाचन	5	20
	कुल	100

BLUE PRINT FOR HALF YEARLY EXAM ,CLASS -X SUB ,HINDI,SESSION 2026-27 ,

MAX MARKS :80 ,TIME : 3 Hrs

SL NO	Chapter /topic	MCQ	VSA	SA	LA	CASE BASED	MARKS
1	1.सूरदास के पद			2			2
2	2.नेताजी का चश्मा			2			2
3	3.आत्मकथ्य			2			2
4	4.बालगोबिन भगत			2			2
5				2			2

	5.लखनवी अंदाज़						
6	6.उत्साह,अट नहीं रही है			2			2
7	7.एक कहानी यह भी	5					5
8	8.राम लक्ष्मण परशुराम संवाद	5					5
1	(कृतिका भाग -2) माता का आँचल				1		4
2	साना -साना हाथ जोड़ि				1		4=30
1	अपठित गद्यांश	3	2				7
2	अपठित काव्यांश	3	2				7=14
	(व्याकरण) रचना के आधार पर वाक्य भेद,वाच्य,अलंकार पद परिचय		16				16
	रचनात्मक लेखन (अनुच्छेद,पत्र,ई मेल,स्ववृत्त,विज्ञापन,संदेश लेखन				4		20
	कुल						80

DAV PUBLIC SCHOOL JHARKHAND ZONE - L

CLASS -X SUBJECT : SANSKRIT SESSION -2026-27

MONTH	CHAPTERS TO BE TAUGHT- UNITS	अङ्काः
अप्रैल	मणिका- 1. प्रथमः पाठः- वाङ्मयं तपः व्याकरणखण्डम् - सन्धिकार्यम् - स्वर सन्धि - वृद्धिः, यण् , अयादि , पूर्वरूपम् व्यञ्जनसन्धि-परसवर्णः,तुकागमः,वर्गीयप्रथमवर्णस्य तृतीयवर्णेपरिवर्तनम् विसर्गसन्धि- विसर्गस्य उत्वं , रत्वं , लोपः , विसर्गस्य श् , ष् , स् समासकार्यम् - वाक्येषु समस्तपदानां विग्रहः विग्रहपदानां समासः तत्पुरुष - विभक्ति , नञ् , उपपद : , द्वन्द्वः	7 1X4=4 1X4=4
मई	द्वितीयः पाठः 2. नास्ति त्यागसमं सुखम् व्याकरणखण्डम् - समासकार्यम् - वाक्येषु समस्तपदानां विग्रहः विग्रहपदानां समासः अव्ययीभाव (अनु , उप , सह , निर् , प्रति , यथा)	7
जून	तृतीयः पाठः -3. रमणीया हि सृष्टिः एषा व्याकरणखण्डम् - प्रत्ययाः - कृत्प्रत्ययौ - तव्यत् , अनीयर् तद्धिताः - मतुप् , ठक् , त्व , तल् स्त्रीप्रत्ययौ - टाप् , डीप् अपठित- अवबोधनम्	6 1X4=4 10

जुलाई	चतुर्थः पाठः - 4. आज्ञा गुरूणां हि अविचारणीया व्याकरणखण्डम् - वाच्यपरिवर्तनम् - केवलं लट् लकारे (कर्तृ-कर्म-क्रिया) समयः - अङ्कानां स्थाने शब्देषु समयलेखनम् (सामान्य-सपाद-सार्ध-पादोन) अव्ययानि - इव, उच्चैः, एव, नूनम्, इतस्ततः, विना, तु, सहसा, वृथा, शनैः, इति, मा, यत्, अथ, सम्प्रति, इदानीम्, अधुना, यावत्-तावत्, बहिः, कदापि, च, अपि, पुरा, अत्र-तत्र, यथा-तथा, कदा, अद्य, श्वः, ह्यः, परश्वः, परह्यः, किमर्थम्, कुत्र यदि-तर्हि. अतः अशुद्धि-संशोधनम् - (वचन-लिङ्ग-लकार-पुरुष-दृष्ट्यासंशोधनम्) रचनात्मक-कार्यम् - पत्रलेखनम् (सङ्केताधारितम् औपचारिकम्/अनौपचारिकम्)	6 1X3=3 1X3=3 1X4=4 1X3=3 5
अगस्त	पञ्चमः पाठः - 5. अभ्यासवशगं मनः चित्राधारित-वर्णनम् अथवा अनुच्छेदलेखनम् संवादपूर्तिः / कथापूर्तिः 6. षष्ठः पाठः- राष्ट्रं संरक्ष्यमेव हि	4 5 5
सितम्बर	पुनरावृत्ति एवं संकलनात्मक मूल्याङ्कन परीक्षा	80 कुल अङ्काः

आन्तरिक मूल्याङ्कन	श्लोकवाचनम् , नाट्याभिनयं , परियोजनाकार्यं , आदर्शवाचनम्	
अक्टूबर	सप्तमःपाठः- 7. साधुवृत्तिं समाचरेत् अष्टमःपाठः -8. तिरुक्कुरल- सूक्ति -सौरभम् नवमः पाठः- 9. सुस्वागतं भो ! अरुणाचलेऽस्मिन्	
	व्याकरण खण्डम् - पुनरावृत्तिकार्यम्, आदर्शप्रश्नपत्राणाम् अभ्यासः च रचनात्मक- कार्यम्- संवादपूर्तिः / कथापूर्तिः	
अक्टूबर	पुनरावृत्तिकार्यम् (व्याकरणकार्यम् रचनात्मक- कार्यम् च	
नवम्बर	दशमःपाठः- कालोऽहम् (केवलम् आन्तरिक मूल्याङ्कनाय) एकादशःपाठः- किं किं उपादेयम् (केवलम् आन्तरिक मूल्याङ्कनाय , पुनरावृत्तिकार्यम् (व्याकरणकार्यम् रचनात्मक- कार्यम्	
दिसम्बर	पुनरावलोकनम्	
जनवरी	पुनरावृत्ति	
फरवरी	ANNUAL EXAMINATION- FULL SYLLABUS	AS PER CBSE

Blue print For Half yearly Exam

School Name – DAV PUBLIC SCHOOL JHARKHAND ZONE - L

SESSION : 2026 -27 , CLASS – X , SUBJECT – SANSKRIT (CODE- 119)

EXAM – Half -yearly Examination , Maximum Marks : 80 , Time – 3 Hrs

SANSKRIT (CODE – 119)

प्रश्नप्रकाराः	प्रश्नानां संख्या	विभाग संख्या	प्रतिप्रश्नम् अङ्क-भारः	आहत्याङ्काः
बहुविकल्पात्मकाः प्रश्नाः 1 अङ्कः	3+4+4+3+4=18	5	1	18
अति-लघूत्तरात्मकाः ½ अङ्कः	2+2+2=6	3	½	3
अति-लघूत्तरात्मकाः 1 अङ्कः	2=2	1	1	2
निबन्धात्मकाः ½ अङ्कः (रिक्तस्थानपूर्तिमाध्यमेन)	10+10+4+8=32	4	½	16
दीर्घोत्तरात्मकाः 1 अङ्कः	5+2+2+2+5=16	5	1	16
दीर्घोत्तरात्मकाः 2 अङ्कौ	2=2	1	2	4
लघूत्तरात्मकाः ½ अङ्कः	1+ 4+3+3+4+2+2+2=21	8	1	21
			आहत्याङ्काः	80

अवधेयम् – अनुप्रयुक्तव्याकरणस्य अंशानां चयनं यथासम्भवं 'मणिका प्रथमो भागः' इति पाठ्यपुस्तकात् करणीयम् ।
यदि ततः न सम्भवति तर्हि 'मणिका-अभ्यासपुस्तकम्' इत्यस्मात् कर्तुं शक्यम् ।

PUBLIC SCHOOL, NIT CAMPUS, ADITYAPUR

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JHARKHAND ZONE-L

MATHEMATICS

SYLLABUS STD –X SESSION 2026-27

MONTH	TOPIC	ACTIVITY/PROJECT
APRIL	UNIT-1 NUMBER SYSTEM : Ch.- 1 REAL NUMBER UNIT-2 ALGEBRA : Ch. – 2 POLYNOMIALS Ch. – 3 PAIR OF LINEAR EQUATIONS IN TWO VARIABLES Ch. – 4 QUADRATIC EQUATIONS	1.To obtain the zero of the linear polynomial geometrically. 2. To find the zeroes of quadratic polynomial geometrically. 3. To verify the conditions of consistency/inconsistency for a pair of linear equations in two variables by graphical method.

MAY	REVISION PERIODIC TEST-1	
JUNE	UNIT-2 ALGEBRA : Ch. – 5 ARITHMETIC PROGRESSIONS UNIT-3 COORDINATE GEOMETRY : Ch. – 7. COORDINATE GEOMETRY	4. To verify that given sequence is an arithmetic progression by paper cutting and pasting method. 5. To verify that sum of first n odd natural numbers is n^2
JULY	UNIT- 4 GEOMETRY : Ch. – 6 TRIANGLES UNIT- 5 TRIGONOMETRY : Ch. – 8 INTRODUCTION TO TRIGONOMETRY, Ch. – 9 SOME APPLICATIONS OF TRIGONOMETRY.	6.To find the coordinates of points when a geometrical figure is transferred by moving 7 units down and 5 units to left.
AUGUST	UNIT – 10 CIRCLES UNIT – 12 AREA RELATED TO CIRCLES UNIT – 13 SURFACE AREAS AND VOLUMES	7. To verify the distance formula by graphical method. 8. To verify Basic proportionality theorem using triangle cutouts
SEPTEMBER	REVISION AND TERM – I EXAMINATION	
OCTOBER	UNIT -14 STATISTICS UNIT -15 PROBABILITY REVISION	9.To show lengths of tangents drawn from an external point to a circle are equal. 10.To verify experimentally a trigonometric identity $\sin^2\theta + \cos^2\theta = 1$
NOVEMBER	REVISION	
DECEMBER	SAMPLE PAPER PRACTICE & REMEDIAL CLASS	

BLUE PRINT/MARKING SCHEME FOR HALFYEARLY

SL. NO.	Unit/chapter	VSA(01)	VSA(02)	SA(03)	SA(04) CASE BASED QUESTIONS	LA(05)	TOTAL
1	1. REAL NUMBERS	03	01*	01	-	-	(08) (05 QUESTIONS)
2	2. POLYNOMIALS	02*	-	01	-	01	(33) (15)

	3. LINEAR EQUATIONS IN TWO VARIABLES	02	-	01*	01	-	QUESTIONS)
	4. QUADRATIC EQUATIONS	02	01	-	-	01*	
	5. ARITHMETIC PROGRESSIONS	02	-	01	-	-	
3	7. COORDINATE GEOMETRY	03	01*	--	01	--	(09) (05 QUESTIONS)
4	6. TRIANGLES	03*	01	01	01	01*	(17) (07 QUESTIONS)
5	8. INTRO. TO TRIGNOMETRY	02	01	01*	-	01	(13) (06 QUESTIONS)
	9. SOME APPLICATIONS OF TRIGNOMETRY	01	-	-	-	01	
	TOTAL	20 Q	5 Q	6 Q	3 Q	4 Q	80 MARKS 38 QUESTIONS
	* Stands for assertion -reason based question in section -A and optional questions in other sections.						

BLUE PRINT/MARKING SCHEME FOR PRE-BOARD EXAM 2025-26

SL. NO.	Unit/chapter	VSA(01)	VSA(02)	SA(03)	SA(04) CASE BASED QUESTIONS	LA(05)	TOTAL
1	1.REAL NUMBERS	01	01*	01	-	-	(06) (03 QUESTIONS)
2	2.POLYNOMIALS	02	01	-	01	-	(20) (11 QUESTIONS)
	3.LINEAR EQUATIONS IN TWO VARIABLES	02	-	-	01	-	
	4.QUADRATIC EQUATIONS	01	01	-	-	01	
	5.ARITHMETIC PROGRESSIONS	02	-	-	-	-	
3	7. COORDINATE GEOMETRY	01	01*	01	-	-	(06) (03 QUESTIONS)
4	6.TRIANGLES	01*	-	01	01	01*	(15) (05 QUESTIONS)
	10. CIRCLES	02	-	-	-	-	
5	8. INTRO. TO TRIGONOMETRY	01	01	01*	-	-	(12) (05 QUESTIONS)
	9. SOME APPLICATIONS OF TRIGONOMETRY	01	-	-	-	01	
6	12. AREAS RELATED TO CIRCLES	01	-	01*	-	-	(10) (05 QUESTIONS)
	13. SURFACE AREAS AND VOLUMES	02*	-	-	01	-	
7	14. STATISTICS	01	-	-	-	01*	(11) (06 QUESTIONS)
	15. PROBABILITY	02	-	01	-	-	
	TOTAL	20 Q	5 Q	6 Q	3 Q	4 Q	80 MARKS 38 QUESTIONS
*Stands for assertion -reason based question in section -A and optional questions in other sections.							

NIT CAMPUS ADITYAPUR, JAMSHEDPUR, JHARKHAND ZONE -A

SYLLABUS OF STD: X (2026-27)

CLASS _____Xth_____SUBJECT:_____SCIENCE_____

CHAPTER NO.	TOPICS	MONTH	WEIGHTAGE HALF-YEARLY EXAMINATION
	<u>PHYSICS (25 Marks)</u>		
Ch-10	Light - Reflection and refraction	APRIL, MAY	10
Ch-11	The human eye and colourful world	JUNE	5
Ch-12	Electricity CBSE List of experiments :- Experiment no-10(i), (ii) Experiment no-11 Experiment no -13 HALF-YEARLY EXAMINATION	JULY, AUGUST	10
Ch-13	Magnetic effect of current CBSE List of experiments :- Experiment no-4 Experiment no-5 REVISION PREBOARD EXAMINATION	SEPTEMBER OCTOBER, NOVEMBER	
*****	*****		As per CBSE examination pattern

	<u>CHEMISTRY (25)</u>		*****
Ch-1	Chemical Reaction and Equations		
Ch-2	Acids, Bases, Salts	APRIL,MAY	6
Ch-3	Metals and Non-metals	MAY,JUNE	10
		JULY,AUGUST	9
	CBSE List of experiments :-		
	Experiment -1(a,b)		
	Experiment -2(a,b,c,d)		
	Experiment-3		
	HALF-YEARLY EXAMINATION		
		SEPTEMBER	
Ch-4	Carbon and its compound		
	Experiment no. -8		
	Experiment no.- 9	OCTOBER	
	REVISION		
	PREBOARD EXAMINATION		
*****	*****	NOVEMBER	
	<u>BIOLOGY (30)</u>		
Ch-5	Life Processes	*****	As per CBSE examination
Ch-6	Control and Coordination		*****
Ch-7	How do Organisms Reproduce?	APRIL,MAY,JUNE	
Ch-8	Heredity(Ch-7 & Ch-8 are NOT IN THE PORTION FOR HALF YEARLY EXAM)	JULY	18
		JULY,AUGUST	12

	CBSE List of experiments :- Experiment no -6 Experiment no-7 HALF-YEARLY EXAMINATION Heredity(contd..) Our Environment Experiment no-12 Experiment no-14 REVISION PREBOARD EXAMINATION		
Ch-8			
Ch-13		SEPTEMBER OCTOBER OCTOBER NOVEMBER	
			As per CBSE examination

NOTE:

1. Weightage of Pre- Board /Annual exam will be as per CBSE.
2. Internal assessment/Practical assessment for Half Yearly will be taken by subject teachers during regular classes (before Half Yearly Exam).
3. Consolidated Blueprint - Class X Science (80 Marks)

Question Type	Biology (30 Marks)	Chemistry (25 Marks)	Physics (25 Marks)
MCB (1 mark)	$7 \times 1 = 7$	$7 \times 1 = 7$	$2 \times 1 = 2$
Assertion & Reason (1 mark)	$2 \times 1 = 2$	$1 \times 1 = 1$	$1 \times 1 = 1$
VSA (2 marks)	$3 \times 2 = 6$	$1 \times 2 = 2$	$2 \times 2 = 4$
SA (3 marks)	$2 \times 3 = 6$	$2 \times 3 = 6$	$3 \times 3 = 9$
Case-Based (4 marks)	$1 \times 4 = 4$	$1 \times 4 = 4$	$1 \times 4 = 4$
Long Answer (5)	$1 \times 5 = 5$	$1 \times 5 = 5$	$1 \times 5 = 5$

marks)			
Subject Total	30 Marks	25 Marks	25 Marks

Grand Total: 80 Marks

DAV PUBLIC SCHOOL

SOCIAL SCIENCE (087)-2026-27

JHARKHAND ZONE - L

STD.X (NCERT PRESCRIBED BOOKS)

	HISTORY	POLITICAL SCIENCE	ECONOMICS	GEOGRAPHY
APRIL	CHAP-1.NATIONALISM IN EUROPE(TO BE CONTINUED....)	CHAP-1.POWER SHARING	CHAP-1 DEVELOPMENT	CHAP-1RESOURCES AND DEVELOPMENT ACTIVITY -MAP SKILL - SOIL OF INDIA.
MAY	CHAP-1. NATIONALISM IN EUROPE(TO BE COMPLETED...)	CHAP-2. FEDERALISM(TO BE CONTINUED....)	CHAP- 2: SECTORS OF THE ECONOMY (TO BE CONTINUED...)	CHAP-2.FOREST AND WILDLIFE RESOURCES. ACTIVITY -A LETTER TO THE FOREST. (MAKING A POSTCARD STATING HOW GRATEFUL WE ARE TO FOREST).
JUNE	CHAP-2 NATIONALISM IN INDIA(TO BE CONTINUED....)	CHAP-2. FEDERALISM(TO BE COMPLETED....)	CHAP-2. SECTORS OF THE ECONOMY (TO BE COMPLETED...)	CHAP-3.WATER RESOURCES
JULY	CHAP-2 NATIONALISM IN INDIA(TO BE COMPLETED....) ACTIVITY -MAP WORK AS PRESCIBED BY CBSE	CHAP-3.GENDER RELIGION CASTE	CHAP-3. MONEY AND CREDIT	CHAP-4. AGRICULTURE ACTIVITY - MAP SKILL - IDENTIFICATION OF

				MAJOR AREAS OF RICE AND WHEAT PRODUCTION. IDENTIFICATION OF THE LARGEST / MAJOR PRODUCER STATES OF THE MAJOR CROPS
AUGUST	CHAP- 3. THE MAKING OF A GLOBAL WORLD. (SUB TOPIC -1 THE PRE MODERN WORLD UPTO CONQUEST, DISEASE AND TRADE) ACTIVITY- INTERDISCIPLINARY PROJECT AS PART OF MULTIPLE ASSESSMENTS (INTERNALLY ASSESSED FOR 5 MARKS) SUBTOPICS 2 TO 4.4 –THE NINETEENTH CENTURY (1815-1914) TO END OF BRETTON WOODS & THE BEGINNING OF “GLOBALISATION	CHAP-4 POLITICAL PARTIES (PART OF TERM-2 SYLLABUS)	CHAP 5: ACTIVITY INDIVIDUAL PROJECT ON CONSUMER AWARENESS (PART OF TERM-2 SYLLABUS)	CHAP-5 MINERAL AND ENERGY RESOURCES (PART OF TERM-2 SYLLABUS) ACTIVITY- Debate - The role of government towards sustainable development. Map Skill - Locating and labelling the Thermal and Nuclear Power Plants.
SEPTEMBER	REVISION AND HALF YEARLY EXAMINATION			
OCTOBER	CHAP- 4. THE AGE OF INDUSTRIALISATION (TO BE ASSESSED AS PART OF PERIODIC ASSESSMENT ONLY)CHAP-5.PRINT CULTURE AND THE MODERN WORLD	CHAP-5. OUTCOMES OF DEMOCRACY	CHAP-4. GLOBALISATION	CHAP-6. MANUFACTURING INDUSTRIES (TO BE COMPLETED) CHAP-7. LIFELINES OF NATIONAL ECONOMY (ONLY MAP POINTING TO BE EVALUATED IN THE BOARD EXAMINATION)
NOVEMBER	REVISION REVISION TESTS PREBOARD			
DECEMBER				
JANUARY				
FEBRUARY	ANNUAL BOARD EXAMINATION			

BLUE PRINT (40 MARKS)NUMBER OF QUESTIONS- 24

SUBJECT	HISTORY	POL. SCI	ECONOMICS	GEOGRAPHY
TOTAL MARKS	10	10	10	10

MARKS DISTRIBUTION	1X3=3 2X2=4 3X1=3	1X3=3 2X2=4 3X1=3	1X3=3 2X2=4 3X1=3	1X3=3 2X2=4 3X1=3
QUESTION PATTREN	1,1,1,2,2,3	1,1,1,2,2,3	1,1,1,2,2,3	1,1,1,2,2,3

BLUE PRINT AS PRESCRIBED BY CBSE (80 MARKS)

TYPE OF QUESTIONS	NO OF QS	MARKS
01 MARK- MCQS	20 (HIST-4,POL SCI-4,ECO-6,GEO-6)	1X20=20
02 MARKS VERY SHORTS ANSWERS QUESTIONS	4(HIST-1,POL SCI-2,,GEO-1)	2X4=8
03MARKS SHORTS ANSWERS QUESTIONS	5 (HIST-1,POL SCI-1,,ECO-3)	3X5=15
04 MARRKS CASE STUDY QUESTIONS	3 (HIST-1,POL SCI-1,GEO-1)	4X3=12
05 MARKS LONG ANSWERS QUESTIONS	4(HIST-1,POL SCI-1,,ECO-1,GEO-1)	5X4=20
MAP POINTING AND LOCATING	1(HIST =2 PLACES,GEO=3 PLACES)	1X 5=5
	TOTAL=37.QS	TOTAL=80.MARKS

BLUE PRINT AND CHAPTER WISE WEIGHTAGE HALF -YEARLY

DAV PUBLIC SCHOOLS JHARKHAND ZONE-L

SUBJECT -SOCIAL SCIENCE (087)

FULL MARKS (80)

TIME – 3 HRS.

SUBJECT	CHAPTERS/TOPICS	MCQ /OBJECTIVES 01 MARKS	VSQ 02 MARKS	SQ 03 MARKS	LQ 05 MARKS	CASE BASED 04 MARKS	MAP 01 MARKS	TOTAL
UNIT-I HISTORY (20 MARKS)	CHAP:1NATIONALISM IN EUROPE	1X2=2	_____	3X1=3	_____	4X1=4	-----	09
	CHAP:2NATIONALISM IN INDIA	_____	_____	_____	5X1=5	_____	1X2=2	07
	CHAP:3 THE MAKING OF THE GLOBAL WORLD	1X2=2	2X1=2	_____	_____	_____	_____	04
UNIT-II GEOGRAPHY (20 MARKS)	CH.1 RESOURCES AND DEVELOPMENT	1X3=3	-----	-----	-----	-----	1X2=2	05
	CH-2.FOREST AND WILDLIFE RESOURCE	-----	-----	-----	5X1=5	-----	-----	05
	CH-3.WATER RESOURCES	1X2=2	2X1=2	=====	=====	=====	1X1=1	05
	CH.4-AGRICULTURE	1X1=1	=====	=====	=====	4X1=4	=====	05
UNIT-III POLITICAL SCIENCE (20 MARKS)	CHAPTER:1-POWER SHARING	_____	2X1=2	_____	_____	4X1=4	_____	06
	CHAPTER:2 FEDERALISM	1X2=2	2X1=2	_____	5X1=5	_____	_____	09
	CHAPTER:3 GENDER ,RELIGION AND CASTE	1X2=2	_____	3X1=3	_____	_____	_____	05
UNIT- IV	CHAP:1	1X2=2	-----	3X1=3	-----	-----	-----	05

ECONOMICS (20 MARKS)	DEVELOPMENT				-			
	CHAP:2 SECTORS OF INDIAN ECONOMY	1X2=2	-----	3X1=3	5X1=5	-----	-----	10
	CHAP:3 MONEY AND CREDIT	1X2=2	-----	3X1=3	-----	-----	-----	05
TOTAL		1X20=20	2X4=8	3X5=15	5X4=20	4X3=12	1X5=5	80
FOR PRERBOARD AND ANNUAL CBSE BLUE PRINT AND WEIGHTAGE WILL BE FOLLOWED								

JHARKHAND ZONE - L

STD.X SYLLABUS

ARTIFICIAL INTELLIGENCE (SUB. CODE 417)

PART A	Employability Skills	
	Unit 1: Communication Skills-II	2
	Unit 2: Self-Management Skills-II	2
	Unit 3: ICT Skills-II	2
	Unit 4: Entrepreneurial Skills-II	2
	Unit 5: Green Skills-II	2
PART B	Subject Specific Skills	
	Unit 1: Revisiting AI Project Cycle & Ethical Frameworks for AI	7
	Unit 2: Advanced Concepts of Modeling in AI	11
	Unit 3: Evaluating Models	10
	Unit 4: Statistical Data	---
	Unit 5: Computer Vision	4
	Unit 6: Natural Language Processing	8
	Unit 7: Advance Python	---
PART C	Practical Work	
	Practical File with minimum 15 Programs	15
	Practical Examination	15
PART D	Project Work / Field Visit / Student Portfolio	
	Viva Voce (related to project work)	5
	GRAND TOTAL	100

FOR HALF YEARLY EXAMINATION	
Employability Skills	Marks
Unit 1: Communication Skills-II	2
Unit 2: Self-Management Skills-II	3
Unit 3: ICT Skills-II	5
Subject Specific Skills	
Unit 1: Revisiting AI Project Cycle & Ethical Frameworks for AI	12
Unit 2: Advanced Concepts of Modeling in AI	13
Unit 3: Evaluating Models	15
TOTAL	50

***** APRIL & MAY - Employability Skills *****

	Unit 1: Revisiting AI Project Cycle & Ethical Frameworks for AI Unit 7: Advance Python	
MONTHS	SUB-UNIT	LEARNING OUTCOMES
JUNE	AI Project Cycle	- Understand the stages of the AI Project Cycle. - The three domains of AI and their applications. - Frameworks, Ethical Framework and need of Ethical Frameworks for AI. - Types of Ethical Frameworks - Bioethics and a case study in bioethics
	Introduction to AI Domains	
JULY	Ethical Frameworks of AI	- Jupyter Notebook, creating virtual environments, installing Python Packages - fundamental concepts such as variables, data types, operators, and control structures
	Jupyter Notebook	
	Introduction to Python	Able to use Python built-in functions and libraries.
	Python Basics	

	Unit 2: Advanced Concepts of Modeling in AI Unit 3: Evaluating Models	
MONTHS	SUB-UNIT	LEARNING OUTCOMES
AUGUST	Understand AI, ML and DL	- Differentiate between AI, ML, and DL - Types of AI Models: Rule Based Approach, Learning Based Approach
	supervised, unsupervised and reinforcement learning based approach	

	Understand Neural Networks Understand how AI makes a decision	• What is Neural Network?. • How does AI make a Decision? • Human Neural Network
	Importance of Model Evaluation Splitting the training set data for Evaluation	Understand the role of evaluation in the development and implementation of AI systems.
	Evaluation metrics for classification Ethical concerns around model evaluation	What is evaluation? Need of model evaluation Find the accuracy of the AI model What is Classification? Build the confusion matrix from scratch Bias, Transparency, Accuracy

	Unit 4: Statistical Data Unit 5: Computer Vision Unit 6: Natural Language Processing	
MONTHS	SUB-UNIT	LEARNING OUTCOMES
SEPTEMBER	No code AI tool Statistical Data: Use Case Walk through	• Statistical Data • No-Code and LowCode AI • Code and No-Code AI concerning Statistical Data • AI project stages to the stages of No-Code AI projects Able to use no-code tool Orange Data mining • Data exploration, Modeling and Evaluation with Orange data mining
	Computer Vision and its applications Image Features & Convolution Operator Convolution Neural Network	• Understanding CV Concepts • Computer Vision Tasks • Basics of Images-Pixel, Resolution, Pixel value • Grayscale and RGB images • Understanding Convolution operator • CNN, Kernel, Layers of CNN, Testing CNN
OCTOBER	Natural Language Processing Stages of Natural Language Processing	Comprehend the complexities of natural languages need for NLP techniques for machines to understand various natural languages effectively voice assistants, auto generated captions, language translation, sentiment analysis, text classification and keyword extraction

	lexicon, syntax, semantics, and logical analysis of input text	Various real-life applications of NLP Explore the various stages of NLP that involve in understanding and processing human language.
	NLP: Text Processing	Text Normalization technique used in NLP and the popular NLP model - Bag-of-Words Data Processing, Bag of Words, TFIDF

MONTHS	PRACTICAL & PROJECT WORK : Suggested Programs List & Projects
NOVEMBER	Write a program to add the elements of the two lists. Write a program to calculate mean, median and mode using Numpy Write a program to display line chart from (2,5) to (9,10). Write a program to display a scatter chart for the following points (2,5), (9,10), (8,3), (5,7), (6,18). Read the csv file saved in your system and display 10 rows. Read csv file saved in your system and display its information Write a program to read an image and display using Python Write a program to read an image and identify its shape using Python AI Project Development Using 1. Statistical Data for AI: Prediction of palmer penguin species 2. Computer Vision: Early detection of coral bleaching 3. Natural Language Processing: Sentiment Analysis

DAV PUBLIC SCHOOLS JHARKHAND ZONE L

CLASS - XI

SUBJECT – ENGLISH CORE

SUBJECT CODE:301

Unit No	Name of the Chapter/Unit	Marks
01	Reading Skills	26
02	Creative Writing Skills & Grammar	23
03	LiteratureText Book and Supplementary ReadingText	31
	Total	80
01	Internal assessment	
	Listening	5
	Speaking	5
	Project Work	10
	Grand Total	100

Month	Hornbill/Snapshot	Reading, Grammar & Advanced Writing Skills	Activities/Projects
April	i. ThePortrait of a Lady (Prose) ii. A Photograph(Poem) iii. The Summer of The Beautiful White Horse (Prose)	Short WritingTask: i. Classified Advertisement (a) Situation Vacant (b) Situation Wanted (c) ToLet	i. Collecting clips from newspaper and pasting it in their note books. ii. Prepare visual representations of scenes from the chapter:The Portrait Of a Lady through drawings or digital art.
May	i. The Address(Prose)	i. Classified Advertisement (contd.) (d) For Sale (e) For Purchase (f) Travel and Tour (g) Educational	i. Creative Writing: Write a continuation of the story, imagining what happens to Mrs.S after the events described in the story.
June	i. We're Not Afraid to Die.....If We Can Be Together (Prose) ii. The LaburnumTop (Poem)	i. Poster ii. Grammar: Practice Of Questions On Gap Filling (Tenses, Clauses)	i. Listening skills practice test

Month	Hornbill/Snapshot	Reading, Grammar & Advanced Writing Skills	Activities/Projects
July	i. Discovering Tut: The Saga Continues (Prose) ii. The Voice Of The Rain (Poem)	i. Note Making and Summarization ii. Grammar: Questions on Reordering/Transformation of Sentences	i. A debate on the topic of whether artefacts from ancient civilizations, such as Tutankhamun's treasures should be returned to their countries of origin or remain in museums around the world. Students should be divided into groups representing different stakeholders, such as archaeologists, museum curators, Egyptian officials and Cultural heritage advocates. Encourage them to research and present arguments supporting their assigned positions.
August	i. Mother's Day (Play)	Long compositions i. Speech writing ii. Debate writing	i. Presentation of speeches by students both oral & written
September	Revision TERM1 EXAMINATION	i. Unseen passage: Case based passage with Verbal/ Visual inputs like statistical data, chart etc.	i. Topics for assessment of speaking skills to be assigned to students.
October/ November	i. Childhood (Poem) ii. Birth (Prose)	Practice on i. Classified advertisement ii. Transformation of sentences	i. Write a brief note on one of your childhood experiences (good or bad) and present the same in class. ii. Project work to be assigned.

Month	Hornbill/Snapshot	Reading, Grammar & Advanced Writing Skills	Activities/Projects
December	i. The Adventure (Prose) ii. Silk Road (Prose)	Comprehension of unseen passage (Revision)	i. The documentary film on the Mount Kailash may be shown and students may be asked to write a brief note on it.
January	i. Father to Son (Poem) ii. The Tale of Melon City (Poem)	Note making and summarization (revision)	i. Have students create a visual representation of the poem, either through a collage of images or through a story board depicting the complexities of Father-Son relationship. ii. Submission of project iii. ALS to be conducted.
February	TERM 2 EXAMINATION	REVISION	

. SUBJECT – MATHEMATICS
STD - XI

MONTH	UNIT	CHAPTER	HALF YEARLY WEIGHTAGE
APRIL	SETS AND FUNCTION	SETS PRACTICAL PROBLEM	11
		RELATION AND FUNCTION	10
MAY	SETS AND FUNCTION	TRIGONOMETRIC FUNCTION	17
JUNE	SETS AND FUNCTION ALGEBRA	TRIGONOMETRIC FUNCTION CONTINUED	
		COMPLEX NUMBER AND QUADRATIC EQUATION	08
JULY	ALGEBRA	LINEAR INEQUALITIES	09
		PERMUTATION AND COMBINATION	10
AUGUST	BINOMIAL THEOREM	BINOMIAL THEOREM	10
	PMI	PMI	05
SEPTEMBER	REVISION AND HALF YEARLY EXAM		
OCTOBER	ALGEBRA	SEQUENCE AND SERIES	
	CO-ORDINATE GEOMETRY	STRAIGHT LINES CONIC SECTION	
NOVEMBER	CALCULUS	INTRODUCTION TO THREE DIMENSIONAL GEOMETRY LIMITS AND DERIVATIVES	
DECEMBER	STATISTICS PROBABILITY	STATISTICS PROBABILITY + REVISION	
JANUARY	REMEDIAL CLASSES + REVISION		

MARKING SCHEME

CHAPTERS	MCQ (1 Mark)	SA - I (2 Marks)	SA – II (3 Marks)	LA (5 Marks)	Case Study (4 Marks)	Total
SETS	4	0	1	0	1	11
RELATION AND FUNCTION	4	1	0	0	1	10
TRIGONOMETRIC FUNCTION	5	2	1	1	0	17
COMPLEX NUMBER AND QUADRATIC EQUATION	1	2	1	0	0	08
LINEAR INEQUALITIES	1	0	1	1	0	09
PERMUTATION AND COMBINATION	3	0	1	0	1	10
BINOMIAL THEOREM	2	0	1	1	0	10
PMI	0	0	0	1	0	05
TOTAL	20	5	6	4	3	80

DAV PUBLIC SCHOOLS JHARKHAND ZONE L

CLASS - XI

SUBJECT - PHYSICS

SUBJECT CODE:042

MONTH	CHAPTER & TOPIC	WEIGHTAGE	
		HALF YEARLY	ANNUAL
APRIL	<u>Chapter-1: Units and Measurements</u> Need for measurement: Units of measurement; systems of units; SI units, fundamental and derived units. significant figures, Determining the uncertainty in result. Dimensions of physical quantities, dimensional analysis and its applications.	<u>CHAPTER 01 to 04</u> <u>44 marks</u>	<u>CHAPTER 01 to 04</u> <u>23 marks</u>
MAY	<u>Chapter-2: Motion in a Straight Line</u> Frame of reference, Motion in a straight line, Elementary concepts of differentiation and integration for describing motion, uniform and non-uniform motion, average speed and average velocity and instantaneous velocity, uniformly accelerated motion, velocity - time and position-time graphs. Relations for uniformly accelerated motion (graphical and calculus treatment).		
JUNE	<u>Chapter-3: Motion in a Plane</u> Scalar and vector quantities; position and displacement vectors, general vectors and their notations; equality of vectors, multiplication of vectors by a real number; addition and subtraction of vectors, Unit vector; resolution of a vector in a plane, rectangular components, Scalar and Vector product of vectors. Motion in a plane, cases of uniform velocity and uniform acceleration- projectile motion, uniform circular motion.		
JULY	<u>Chapter-4: Laws of Motion</u> Intuitive concept of force, Inertia, Newton's first law of motion; momentum and Newton's second law of		

	motion; impulse; Newton's third law of motion. Law of conservation of linear momentum and its applications. Equilibrium of concurrent forces, Static and kinetic friction, laws of friction, rolling friction, lubrication. Dynamics of uniform circular motion: Centripetal force, examples of circular motion (vehicle on a level circular road, vehicle on a banked road).		
AUGUST	<u>Chapter– 5: Work, Energy and Power</u> Work done by a constant force and a variable force; kinetic energy, work- energy theorem, power. Notion of potential energy, potential energy of a spring, conservative forces: non-conservative forces, motion in a vertical circle; elastic and inelastic collisions in one and two dimensions. <u>Chapter – 7: Gravitation</u> Kepler's laws of planetary motion, universal law of gravitation. Acceleration due to gravity and its variation with altitude and depth. Gravitational potential energy and gravitational potential, escape speed, orbital velocity of a satellite, energy of an orbiting satellite.	<u>CHAPTER 05 & 07</u> <u>26 marks</u>	<u>CHAPTER 05 to 07</u> <u>17 marks</u>
SEPTEMBER	REVISION AND HALF YEARLY EXAMINATION		-
OCTOBER	<u>Chapter–6: System of Particles and Rotational Motion</u> Centre of mass of a two-particle system, momentum conservation and Centre of mass motion. Centre of mass of a rigid body; centre of mass of a uniform rod. Moment of a force, torque, angular momentum, law of conservation of angular momentum and its applications. Equilibrium of rigid bodies, rigid body rotation and equations of rotational motion, comparison of linear and rotational motions. Moment of inertia, radius of gyration, values of moments of inertia for simple geometrical objects (no derivation). <u>Chapter–8: Mechanical Properties of Solids</u>	***	<u>BCHAPTER 08</u>

	Elasticity, Stress-strain relationship, Hooke's law, Young's modulus, bulk modulus, shear modulus of rigidity (qualitative idea only), Poisson's ratio; elastic energy. Application of elastic behavior of materials (qualitative idea only). <u>Chapter-9: Mechanical Properties of Fluids</u> Pressure due to a fluid column; Pascal's law and its applications (hydraulic lift and hydraulic brakes), effect of gravity on fluid pressure. Viscosity, Stokes law, terminal velocity, streamline and turbulent flow, critical velocity, Bernoulli's theorem and its simple applications (Torricelli's law and Dynamic lift). Surface Tension and Surface Energy, angle of contact, excess of pressure across a curved surface, application of surface tension ideas to drops, bubbles and capillary rise.		<u>to 12</u> <u>20 marks</u>
NOVEMBER	<u>Chapter-10: Thermal Properties of Matter</u> Heat, temperature, thermal expansion; thermal expansion of solids, liquids and gases, Anomalous expansion of water; specific heat capacity; Cp, Cv - calorimetry; change of state latent heat capacity. Heat transfer-conduction, convection and radiation, thermal conductivity, qualitative ideas of Blackbody radiation, Wein's displacement Law, Stefan's law. <u>Chapter-11: Thermodynamics</u> Thermal equilibrium and definition of temperature, zeroth law of thermodynamics, heat, work and internal energy. First law of thermodynamics, Second law of thermodynamics: Thermodynamic state variable and equation of state. Change of condition of gaseous state - Isothermal, Adiabatic, Reversible, Irreversible, and Cyclic processes	***	
DECEMBER	<u>Chapter-12: Kinetic Theory</u> Equation of state of a perfect gas, work done in compressing a gas. Kinetic theory of gases - assumptions, concept of pressure. Kinetic interpretation of temperature; rms speed of gas molecules; degrees of freedom, law of	***	

	equi-partition of energy (statement only) and application to specific heat capacities of gases; concept of mean free path, Avogadro's number. <u>Chapter–13: Oscillations</u> Periodic motion - time period, frequency, displacement as a function of time, periodic functions and their applications. Simple harmonic motion (S.H.M), uniform circular motion and its equations of motion; phase; Oscillations of a loaded spring- restoring force and force constant; energy in S.H.M. Kinetic and potential energies; simple pendulum derivation of expression for its time period.		<u>CHAPTER 13 &14</u> <u>10 marks</u>
JANUARY	<u>Chapter–14: Waves</u> Wave motion: Transverse and longitudinal waves, speed of travelling wave, displacement relation for a progressive wave, principle of superposition of waves, reflection of waves, Standing waves in strings and organ pipes, fundamental mode and harmonics, Beats.	***	
FEBRUARY	REVISION AND ANNUAL EXAM		-

DEPARTMENT OF PHYSICS

PRINCIPAL

NO.OF QUESTION	MARKS	TOTAL MARKS
Section-A: Q no.1-16 (MCQ)	1	16
Section-B: Q.no. 17-21 (SA\1)	02	10
Section-C: Q.no.22-28 (SA\2)	03	21
Section D: Q.no.29&30 (Case Based)	04	08
Section-E: Q.no.31-33 (LA)	05	15
Total =	33	70

MONTH	CHAPTER & TOPIC	WEIGHTAGE
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DAV PUBLIC SCHOOLS JHARKHAND ZONE L

CLASS - XI

SUBJECT - CHEMISTRY

SUBJECT CODE:043

SYLLABUS:2026-27

CLASS:XI

SUBJECT:CHEMISTRY

		HALF YEARLY	ANNUAL
APRIL	<u>SOME BASIC CONCEPTS OF CHEMISTRY</u> Importance of Chemistry, Nature of Matter, Properties of Matter and their Measurement, Uncertainty in Measurement, Laws of Chemical Combination, Dalton's Atomic Theory, Atomic and Molecular Masses, Mole Concept and Molar Masses, Percentage Composition,	18	07
MAY	<u>SOME BASIC CONCEPTS OF CHEMISTRY</u> Stoichiometry and Stoichiometric Calculations.		
JUNE	<u>STRUCTURE OF ATOM</u> Discovery of Sub-atomic Particles, Atomic Models, Developments Leading to the Bohr's Model of Atom,	20	09
JULY	<u>STRUCTURE OF ATOM</u> Bohr's Model for Hydrogen Atom, Towards Quantum Mechanical Model of the Atom, Quantum Mechanical Model of Atom <u>CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES</u> Why we Need to Classify Elements? Genesis of Periodic Classification, Modern Periodic Law and the Present Form of Periodic Table, Nomenclature of Elements with Atomic Number > 100, Electronic Configuration of Elements and the Periodic Table, Electronic Configuration of Elements and Types of Elements: s-, p-, d-, f- Blocks, Periodic Trends in Properties of Elements.	12	06
AUGUST	<u>CHEMICAL BONDING AND MOLECULAR STRUCTURE</u> Kossel-Lewis Approach to Chemical Bonding, Ionic or Electrovalent Bond, Bond Parameters, The Valence Shell Electron Pair Repulsion (VSEPR) Theory, Valence Bond Theory, Hybridisation, Molecular Orbital Theory, Bonding in Some Homonuclear Diatomic Molecules, Hydrogen Bonding.	20	07

SEPTEMBER	REVISION AND HALF YEARLY EXAMINATION	-	-
OCTOBER	<u>CHEMICAL THERMODYNAMICS</u> Thermodynamic Terms, Applications, Measurement of ΔU and ΔH: Calorimetry, Enthalpy Change, and ΔH of a Reaction – Reaction Enthalpy, Enthalpies for Different Types of Reactions. Spontaneity, Gibbs Energy Change and Equilibrium.	-	09
	<u>EQUILIBRIUM</u> Equilibrium in Physical Processes, Equilibrium in Chemical Processes – Dynamic Equilibrium, Law of Chemical Equilibrium and Equilibrium Constant, Homogeneous Equilibria, Heterogeneous Equilibria, Applications of Equilibrium Constants, Relationship between Equilibrium Constant K, Reaction Quotient Q and Gibbs Energy G, Factors Affecting Equilibria, Ionic Equilibrium in Solution, Acids, Bases and Salts, Ionization of Acids and Bases, Buffer Solutions, Solubility Equilibria of Sparingly Soluble Salts.		07
NOVEMBER	<u>REDOX REACTIONS</u> Classical Idea of Redox Reactions – Oxidation and Reduction Reactions, Redox Reactions in Terms of Electron Transfer Reactions, Oxidation Number, Redox Reactions and Electrode Processes	-	04
	<u>ORGANIC CHEMISTRY: SOME BASIC PRINCIPLES AND TECHNIQUES</u> General Introduction, Tetravalence of Carbon: Shapes of Organic Compounds, Structural Representations of Organic Compounds, Classification of Organic Compounds, Nomenclature of Organic Compounds, Isomerism, Fundamental Concepts in Organic Reaction Mechanism,		11

DECEMBER	ORGANIC CHEMISTRY: SOME BASIC PRINCIPLES AND TECHNIQUES Methods of Purification of Organic Compounds, Qualitative Analysis of Organic Compounds, Quantitative Analysis	-	
JANUARY	HYDRO CARBON Classification, Alkanes, Alkenes, Alkynes, Aromatic Hydrocarbon, Carcinogenic and Toxicity.	-	10
FEBRUARY	REVISION AND ANNUAL EXAM	-	-

Question pattern:

NO.OF QUESTION	MARKS	TOTAL MARKS
Section-A: Q no.1-16 (MCQ)	1	16
Section-B: Q.no. 17-21	02	10
Section-C: Q.no.22-28	03	21
SectionD: Q.no.29&30	04	08
Section-E: Q.no.31-33	05	15
Total=	33	70

There are no overall choice in the question paper. However, there will be internal choices in the section- B, C , D and E.

Blue Print:

Name of the School: D A V Public School, NIT Campus

Maximum Marks- 70

Time- 3 Hrs

Session-2026-27

Class- 11

Subject- Chemistry

Examination- Half Yearly Examination

Sl. No.	Unit	Chapter	MCQ	VSA	SA	LA	Case Based	Total Marks
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Class: XI

1	1	SOME BASIC CONCEPTS OF CHEMISTRY	3	2	2	1		18
2	2	STRUCTURE OF ATOM	4	2	1	1	1	20
3	3	CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES	5		1		1	12
4	4	CHEMICAL BONDING AND MOLECULAR STRUCTURE	4	1	3	1		20
Total			16	5	7	5	2	70

DEPT. OF CHEMISTRY

PRINCIPAL

DAV PUBLIC SCHOOLS JHARKHAND ZONE L**CLASS - XI****SUBJECT - BIOLOGY****SUBJECT CODE:044**

MONTH	TOPIC	MARKS	
		HY	Annual
APRIL	Ch-1 The Living World	4	2
	Ch-2 Biological Classification	8	3

MAY	Ch-3 Plant Kingdom	10	5
JUNE	Ch-4 Animal Kingdom	10	5
JULY	Ch-5 Morphology of Flowering Plants Ch-6 Anatomy of Flowering Plants	10 8	3 3
AUGUST	Ch-7 Structural Organization in Animal Ch-8 Cell : The Unit of Life Ch-9 Biomolecules	8 6 6	4 5 5
SEPTEMBER	Half Yearly Exam	70	
OCTOBER	Ch- 10 Cell Cycle and Cell Division Ch-11 Photosynthesis in Higher Plants		5 4
NOVEMBER	Ch-14 Breathing and Exchange of Gases Ch-12 Respiration in Plants Ch-15 Body Fluids and Circulation		2 5 2
DECEMBER	Ch-13 Plant Growth and Development Ch-16 Excretory Products and Their Elimination Ch-17 Locomotion and Movement		3 5 2
JANUARY	Ch-18 Neural Control and Coordination Ch-19 Chemical Coordination and Integration		5 2
FEBRUARY	ANNUAL EXAM	70	

BLUEPRINT

Class: XI

Marks per Question	No. of questions	Total marks
1 mark (MCQ)	16	16
2 marks (VSA)	5	10
3 marks (SA)	7	21
4 marks (case-based)	2	8
5 marks (LA)	3	15
Total	33	70

DAV PUBLIC SCHOOLS JHARKHAND ZONE L**CLASS - XI****SUBJECT - ACCOUNTANCY****SUBJECT CODE:055**

	Topic	Weightage		
Ch No	Part A- 55	Month	HY	
	Unit-1: Theoretical Frame Work		30	

1	Meaning & Objectives of Accounting	June		
2	Basic Accounting terms	June		
3	Accounting Principles	June		
4	Process & Basis of Accounting	June		
5	AS & IFRS	June		
6	Accounting Equations	July		
7	Double Entry System	June		
8	Origin of Transactions : Source Documents of Accountancy	June		
9&10	Books of Original Entry - Journals with GST	July	10	
11	Cash Book	July	10	
12	Special Purpose Subsidiary Books	Aug	10	
13	Ledger	Aug	10	
14	Trial balance and Rectification of Errors	Aug	10	
15	Bank Reconciliation Statement:	Aug/Sept	10	
16 & 17	Depreciation, Provisions and Reserves.	Oct		
18	Rectification of Errors	Oct		
19	Capital & Revenue	Oct/Nov		
	Part B: Financial Accounting - II 35 Marks			
	Unit 3: Financial Statements of Sole Proprietorship: From Complete and Incomplete Records			
20 & 21	Financial Statements without & with adjustments	Nov/ Dec		
22	Incomplete Records	Jan		
	Part C: Project Work (Any One)		10	
	FM		100	

DAV PUBLIC SCHOOLS JHARKHAND ZONE L

CLASS - XI

SUBJECT – BUSINESS STUDIES

SUBJECT CODE:054

		Weightage		
Ch	Chapter Name	Month	HY	

No				
	Part A Foundations of Business			
1	Nature and Purpose of Business	June	15	
2	Forms of Business Organisations	June/July	20	
3	Public, Private and Global Enterprises	July	15	
4	Business Services	July/Aug	15	
5	Emerging Modes of Business	Aug	10	
6	Social Responsibility of Business and Business Ethics	Aug	15	
	Part B Finance and Trade			
7	Sources of Business Finance	Sept/Oct		
8	Small Business	Oct		
9	Internal Trade	Nov/Dec		
10	International Business	Dec/Jan		
	Project Work		10	
	FM		100	

Prepared by
S. LOKESH RAO
PGT

Rekha Kumari
Principal

DAV PUBLIC SCHOOLS JHARKHAND ZONE L

CLASS - XI

SUBJECT - ECONOMICS

SUBJECT CODE:030

Month	Introductory Micro Economics	Statistics for Economics
April	Meaning of Micro and Macro economics, Meaning of Economy, Central Problems, PPF	Economics- An introduction, statistics-Meaning, Scope, and importance
May	Consumer's equilibrium using MU analysis and IC analysis	Collection, Organisation, and tabular presentation of data
June	Demand, demand schedule, demand curve, law of demand	Diagrammatic presentation, Graphic Presentation
July	Movement along and shift in the demand curve	Arithmetic mean - Measures of Central Tendency, Individual Series
August	Price elasticity of demand factors and measurement	Discrete and continuous series, Simple and Weighted mean
September	HALF YEARLY EXAMINATION	HALF YEARLY EXAMINATION
October	Production Function - short run and long run, cost, revenue	Median and Mode
November	Producer's equilibrium and supply - law of supply, schedule and curve	Measures of Dispersion Measures of correction
December	Measurement of elasticity of supply, price determination and simple application.	Index Numbers

DAV PUBLIC SCHOOLS JHARKHAND ZONE L

CLASS - XI

SUBJECT – COMPUTER STUDIES

SUBJECT CODE:083

MONTH	CHAPTER & TOPIC	WEIGHTAGE	
		HALF YEARLY	PRE-BOARD & 11 ANN EXAMINATION

APRIL	Basic computer organization: Introduction to Computer System, hardware, software, input device, output device, CPU, memory (primary, cache and secondary), units of memory (bit, byte, KB, MB, GB, TB, PB) Types of software: System software (Operating systems, system utilities, device drivers), programming tools and language translators (assembler, compiler, and interpreter), application software Operating System(OS): functions of the operating system, OS user interface Boolean logic: NOT, AND, OR, NAND, NOR, XOR, truth tables and De Morgan's laws, Logic circuits	08	AS PER SYLLABUS OF DAV CAE
MAY	Number System: Binary, Octal, Decimal and Hexadecimal number system; conversion between number systems Encoding Schemes: ASCII, ISCII, and Unicode (UTF8, UTF32)	12	
JUNE	Introduction to Problem-solving: Steps for Problem-solving (Analyzing the problem, developing an algorithm, coding, testing, and debugging), representation of algorithms using flowchart and pseudocode, decomposition Familiarization with the basics of Python programming: Introduction to Python ,Features of Python, execution modes: interactive mode and script mode, Python character set, Python tokens(keyword, identifier, literal, operator, punctuator), variables, concept of l-value and R-value, use of comments Knowledge of data types: Number (integer, floating point, complex), Boolean, sequence (string, list, tuple), None, Mapping(dictionary), mutable and immutable data types.	15	
JULY	Operators: arithmetic operators, relational operators, logical operators, assignment operators, augmented assignment operators, identity operators (is, is not), membership operators (in not in) Expressions, statement, type conversion, and input/output: precedence of operators, expression, evaluation of an expression, type-conversion (explicit and implicit conversion), accepting data as input from the console and displaying output. Errors- syntax errors, logical errors, and run-time errors	10	

	Flow of Control: introduction, use of indentation, sequential flow, conditional and iterative flow Conditional statements: if, if-else, if-elif-else, flowcharts, simple programs: e.g.: absolute value, sort 3 numbers and divisibility of a number.		
AUGUST	Iterative Statement: for loop, range(), while loop, flowcharts, break and continue statements, nested loops, suggested programs: generating pattern, summation of series, finding the factorial of a positive number, etc. Strings: introduction, string operations (concatenation, repetition, membership and slicing), traversing a string using loops, built-in functions/methods–len(), capitalize(), title(), lower(), upper(), count(), find(), index(), endswith(), startswith(), isalnum(), isalpha(), isdigit(), islower(), isupper(), isspace(), lstrip(),rstrip(), strip(), replace(), join(), partition(), split()	15	
		10	
SEPTEMBER	REVISION & HALF YEARLY EXAM		
OCTOBER	Lists: introduction, indexing, list operations (concatenation, repetition, membership and slicing), traversing a list using loops, built-in functions/methods–len(), list(),append(), extend(), insert(), count(), index(), remove(), pop(), reverse(), sort(),sorted(), min(), max(), sum(); nested lists, suggested programs: finding the maximum, minimum, mean of numeric values stored in a list; linear search on list of numbers and counting the frequency of elements in a list. Tuples: introduction, indexing, tuple operations (concatenation, repetition, membership and slicing); built-in functions/methods – len(), tuple(), count(), index (), sorted (), min (), max (), sum (); tuple assignment, nested tuple;		
NOVEMBER	Dictionary: introduction, accessing items in a dictionary using keys, mutability of a dictionary (adding a new term, modifying an existing item), traversing a dictionary, built-in functions/methods – len(), dict(), keys(), values(), items(), get(), update(), del, clear(), fromkeys(), copy(), pop(), popitem(), setdefault(), max(), min(),		

	sorted();		
DECEMBER	Society, Law and Ethics Digital Footprints, Digital Society and Netizen: net etiquettes, communication etiquettes, social media etiquettes , Data Protection: Intellectual property rights (copyright, patent, trademark), violation of IPR (plagiarism, copyright infringement, trademark infringement), open source software and licensing (Creative Commons, GPL and Apache) Cyber Crime: definition, hacking, eavesdropping, phishing and fraud emails, ransomware, cyber trolls, cyber bullying Cyber safety: safely browsing the web, identity protection, confidentiality Malware: viruses, trojans, adware E-waste management: proper disposal of used electronic gadgets. Information Technology Act (IT Act) Technology and society: Gender and disability issues while teaching and using computers		
JANUARY	Introduction to Python modules: Importing module using 'import <module>' and using from statement, importing math module (pi, e, sqrt(), ceil(), floor(), pow(), fabs(), sin(), cos(), tan()); random module (random(), randint(), randrange()), statistics module (mean(), median(), mode()). REVISION OF TOPICS TAUGHT AND PRACTICE OF ANNUAL QUESTION PAPERS		
FEBRUARY	REVISION OF TOPICS TAUGHT AND PRACTICE OF ANNUAL QUESTION PAPERS		

BLUEPRINT FORMAT FOR SYLLABUS

HALF-YEARLY/ANNUAL EXAMINATION BLUEPRINT FORMAT

Session: 2026–27

Class: XI

Subject: COMPUTER SC. **Examination:** Half-Yearly Examination

Maximum Marks: 70 **Time:** 3:00 HrS.

Sl. No.	Unit / Chapter	Topics Covered	MCQ	VSA(2)	SA(3)	LA(4)	Marks
1	Unit I	- Basic computer organization - Operating System(OS): - Boolean logic:	3	1(2)	1(3)		8
2	Unit II	- Number System - Encoding Schemes	3	1(2)	1(3)	1(4)	12

3	Unit III	• Introduction to Problem-solving • basics of Python programming • Knowledge of data types	6	1(2)	1(3)	1(4)	15
4	Unit IV	• Operators: • Errors- • Flow of Control • Conditional statements	3	2(2)	1(3)		10
5	Unit V	• Iterative Statement	4	2(2)	1(3)	1(4)	15
6		• Strings	2	2(2)		1(4)	10
Total			21	18	15	16	70

DAV PUBLIC SCHOOLS JHARKHAND ZONE L

CLASS - XI

SUBJECT - PHYSICAL EDUCATION

SUBJECT CODE:048

MONTH	TOPIC	MARKS	
		HY	Annual
APRIL	Ch-1 Changing Trends Career in Physical Education Ch-2 Olympic Value Education	14 14	8 5
MAY	Ch-3 Yoga	14	7
JUNE	Ch-4 Physical Education Sports for CWSN	14	7
JULY	Ch-5 Physical Fitness and Wellness	14	5
AUGUST	Revision	Revision	
SEPTEMBER	Half Yearly Exam	70	
OCTOBER	Ch- 6 Test, Measurement and	8	

Class: XI

	Evaluation	
NOVEMBER	Ch-7 Fundamentals of Anatomy and Physiology in Sports	8
DECEMBER	Ch-8 Fundamentals of Kinesiology and Biomechanics in Sports Ch-9 Psychology and Sports	8

JANUARY	Ch-10 Training and Doping in Sports	7
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FEBRUARY ANNUAL EXAM 70

BLUEPRINT

Marks per Question	No. of questions	Total marks
1 mark (MCQ)	18	18
2 marks (VSA)	5	10
3 marks (SA)	5	15
4 marks (case-based)	3	12
5 marks (LA)	3	15

Total	34	70
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Class: XII

SUBJECT : ENGLISH CORE

SUBJECT CODE : 301

Unit No	Name of the Chapter/Unit	Marks
01	Reading Skills • Unseen passage to assess comprehension ,interpretation ,analysis ,inference and vocabulary. • Unseen case-based factual passage	22 (12+10)
02	Creative Writing Skills • Notice • Invitation-Formal and Informal and Reply • Letter writing (To the Editor),Application for Job • Report writing and Article writing	18
03	Literature Text Book and Supplementary Reading Text • Flamingo • Vistas	40
Total		80
01	Internal assessment i. Listening ii. Speaking iii. Project Work	5 5 10

Month	Flamingo/ Vistas	Reading &Advanced Writing Skills	Activities/Projects
April	i. The Last Lesson (Prose) ii. My Mother at Sixty-Six (Poem) iii. The Third Level (Prose)	Short Writing Task: i. Notice writing (notice for meeting, notice for events like Competition/ Tour/Celebration/Annual Sports/Cultural Events etc. Notice for Lost and Found)	i. Assignment- Write a letter to the Editor highlighting/ expressing views on 'Linguistic Chauvinism in the Present Scenario of Academic Life' ii. Assignment- Create a flow chart of events in the story 'The Third Level'. iii. Art Integrated Project – Based on the poem' My Mother at Sixty Six'
May	i. Lost Spring (Prose) ii. The Tiger King (Prose)	i. Formal Invitation & Reply ii. Unseen passage to assess Comprehension, interpretation	i. Discussion on Health hazards of Child Labour. (LOST SPRING) ii. Poster on Child labour.

		and inference. iii. Unseen passages: case-based passage with verbal/visual inputs like statistical data, charts etc.	(LOST SPRING) iii. Collect the data regarding government and NGOs activities to save tigers in India with the help of internet and library. (TIGER KING) iv. Article writing on Child Labour.
June	i. Deep Water (Prose) ii. Keeping Quiet (Poem) iii. Journey to the End of the Earth	i. Informal Invitation and Reply ii. Letter Writing: Letter Based On Verbal/Visual Input	i. Find the personalities and events from the history of sports, music, dance etc. which proves that practice makes a man perfect. For example, life of Sachin Tendulkar, Sudha Chandran etc. ii. Write an article for your school magazine on the topic : Live and Let live. (Reference: Tiger King and Keeping Quiet) iii. Practice of drafting Invitation for different occasions and their replies.
July	i. A Thing of Beauty (Poem) ii. The Enemy (Prose) iii. The Rattrap (PROSE)	i. Application for job with bio data or resume. ii. Letter to the Editor giving suggestion or opinion on issues of public interest.	Assessment Tool: i. Oral Test ii. Written class test. iii. Write your point of view on the decision taken by Dr. Sadao. Write imaginary dialogues between Dr. Sadao and his wife on whether to save American soldier or not.
August	i. Indigo (Prose) ii. Poets and Pancakes (Prose)	Long compositions i. Article / Report writing, descriptive and analytical in nature based on verbal inputs.	i. Documentary film on Gandhi ji showing contribution on Indian National Movement may be shown. ii. Write an article on the importance of peace and the right way to resolve issues with reference to the chapters Keeping Quiet and Indigo.
September	i. A Roadside Stand Revision TERM 1 EXAMINATION	i. Revision (Writing Skills)	ALS Practice.
October/ November	i. The Interview (Prose) ii. Aunt Jennifer's Tigers (Poem) iii. Going Places (Prose) iv. On the face of It. (Play) v. Memories of Childhood • The Cutting of My Long Hair • We Too Are Human Beings	Practice of i. Unseen passages ii. Discussion and practice on Report writing.	i. Group discussion on Condition of Women in the contemporary society, Gender Discrimination & Things that hurt disabled people. ii. Find the difference of present-day women to Aunt Jennifer's as described in the

			poem Aunt Jennifer's tigers. iii. Prepare a motivational speech on behalf of Mr. Lamb to a group of differently able students urging them to be positive in their approach to life. iv. As a social activist, write an article to a newspaper on the need to empower women. (Reference: Going Places and Aunt Jennifer's Tigers.) v. Project work to be assigned.
December	PREBOARD EXAM 1	• Discussion and practice of unseen passages. • Practice of Notice, Invitation, Letters and Report writing. • Project work	
January	PREBOARD EXAM 2	REVISION	

SUBJECT – MATHEMATICS

STD – XII

MONTH	UNIT	CHAPTER	HALF YEARLY WEIGHTAGE
APRIL	RELATIONS AND FUNCTIONS	RELATIONS AND FUNCTIONS	8
		INVERSE TRIGONOMETRIC FUNCTIONS	4
	ALGEBRA	MATRICES & DETERMINANTS	16
MAY	CALCULAS	CONTINUITY AND DIFFERENTIALBILITY	10
JUNE	CALCULAS	CONTINUITY AND DIFFERENTIALBILITY CONTINUED	
		APPLICATION OF DERIVATIVES	10
JULY		VECTOR	8
		THREE DIMENSIONAL GEOMETRY	10
		PROBABILITY	9
AUGUST	LINEAR PROGRAMMING	LINEAR PROGRAMMING	5
	CALCULUS	INTEGRALS	
SEPTEMBER	REVISION AND HALF YEARLY EXAM		
		DIFFERENTIAL EQUATION	
OCTOBER	CALCULUS	APPLICATION OF INTEGRAL + REVISION	
NOVEMBER	TEST SERIES		
DECEMBER	PRE-BOARD		
JANUARY	REMEDIAL CLASSES + REVISION		

MARKING SCHEME

CHAPTERS	MCQ (1 Mark)	SA - I (2 Marks)	SA – II (3 Marks)	LA (5 Marks)	Case Study (4 Marks)	Total
RELATIONS AND FUNCTIONS	1		1		1	8
INVERSE TRIGONOMETRIC FUNCTIONS	1 + 1(A/R)	1				4
MATRICES & DETERMINANTS	6	1	1	1		16
CONTINUITY AND DIFFERENTIALBILITY	3	2	1			10
APPLICATION OF DERIVATIVES	1			1	1	10
VECTOR	3	1	1			8
THREE DIMENSIONAL GEOMETRY	1			1	1	10
PROBABILITY	1 (A/R)		1	1		9
LINEAR PROGRAMMING	2		1			5
TOTAL	20	5	6	4	3	80

DAV PUBLIC SCHOOLS, JHARKHAND ZONE -L

SYLLABUS:2026-27

CLASS :XII

SUBJECT CODE : 402

SUBJECT: Physics

MONTH	CHAPTER & TOPIC	WEIGHTAGE	
		HALF YEARLY	PRE-BOARD
April	<u>CH 01 :Electric Charges & Field.</u> Electric charges, Conservation of charge, Coulomb's law-force between two- point charges, forces between multiple charges; superposition principle and continuous charge distribution. Electric field, electric field due to a point charge, electric field lines, electric dipole, electric field due to a dipole, torque on a dipole in uniform electric field. Electric flux, statement of Gauss's theorem and its applications to find field due to infinitely long straight wire, uniformly charged infinite plane sheet and uniformly charged thin spherical shell (field inside and outside). <u>CH 02 :Electric Potential & capacitor</u> Electric potential, potential difference, electric potential due to a point charge, a dipole and system of charges; equipotential surfaces, electrical potential energy of a system of two-point charges and of electric dipole in an electrostatic field. Conductors and insulators, free charges and bound charges inside a conductor. Dielectrics and electric polarization, capacitors and capacitance, combination of capacitors in series and in parallel, capacitance of a parallel plate capacitor with and without dielectric medium between the plates, energy stored in a capacitor (no derivation, formulae only).	Chapter: 01 ,02 ,03 25 MARKS	Chapter: 01, 02 & 03 16 MARKS
MAY & JUNE	<u>03 : Electric Current</u> Electric current, flow of electric charges in a metallic conductor, drift velocity, mobility and their relation with electric	-----	-----

	current; Ohm's law, V-I characteristics (linear and non-linear), electrical energy and power, electrical resistivity and conductivity, temperature dependence of resistance, Internal resistance of a cell, potential difference and emf of a cell, combination of cells in series and in parallel, Kirchhoff's rules, Wheatstone bridge.		
JULY	<u>04 : Moving Charges & Magnetism.</u> Concept of magnetic field, Oersted's experiment. Biot - Savart law and its application to current carrying circular loop. Ampere's law and its applications to infinitely long straight wire. Straight solenoid (only qualitative treatment), force on a moving charge in uniform magnetic and electric fields. Force on a current-carrying conductor in a uniform magnetic field, force between two parallel Current-carrying conductors-definition of ampere, torque experienced by a current loop in Uniform magnetic field; Current loop as a magnetic dipole and its magnetic dipole moment, Moving coil galvanometer- its current sensitivity and conversion to ammeter and voltmeter. <u>05 : Magnetism & Matter.</u> Bar magnet, bar magnet as an equivalent solenoid (qualitative treatment only), magnetic field Intensity due to a magnetic dipole (bar magnet) along its axis and perpendicular to its axis (qualitative treatment only), torque on a magnetic dipole (bar magnet) in a uniform magnetic Field (qualitative treatment only), magnetic field lines. Magnetic properties of materials- Para-, dia- and ferro – magnetic substances with examples, Magnetization of materials, effect of temperature on magnetic properties.	Chapters : 04 , 05 , 06 & 07 27 MARKS	Chapters : 04 ,05 06 & 07 17 MARKS
August	<u>06 : Electromagnetic Induction</u> : Faraday's laws, induced EMF and current; Lenz's Law, Self and Mutual induction <u>07 : Alternating Current</u> Alternating currents, peak and RMS value of alternating current/voltage; reactance and impedance; LCR series circuit (phasors only), resonance, power in AC circuits,		

	power factor, wattless current. AC generator, Transformer. <u>08 : Electromagnetic waves</u> Basic idea of displacement current, Electromagnetic waves, their characteristics, their transverse nature (qualitative idea only). Electromagnetic spectrum (radio waves, microwaves, infrared, visible, ultraviolet, X-rays, gamma rays) including elementary facts about their uses.	Chapters : 08 ,09 & 10 18 MARKS	Chapters : : 08 & 09 18 MARKS
September	<u>09 : Ray Optics & Optical Instruments</u> RAY OPTICS : Reflection of light, spherical mirrors, mirror formula, refraction of light, total internal reflection and optical fibers, refraction at spherical surfaces, lenses, thin lens formula, lens maker's formula, magnification, power of a lens, combination of thin lenses in contact, refraction of light through a prism. Optical instruments: Microscopes and astronomical telescopes (reflecting and refracting) and their magnifying powers Revision for Half Yearly Examination	-----	-----
		-	-
October	<u>10 : Wave Optics</u> Wave front and Huygens's principle, reflection and refraction of plane wave at a plane surface using wave fronts. Proof of laws of reflection and refraction using Huygens's Principle. Interference, Young's double slit experiment and expression for fringe width (No derivation final expression only), coherent sources and sustained interference of light, Diffraction due to a single slit, width of central maxima (qualitative treatment only).	-	

NO.OF QUESTION	MARKS	TOTAL MARKS
Section-A: Q no.1-16 (MCQ)	1	16
Section-B: Q.no. 17-21 (SA\1)	02	10
Section-C: Q.no.22-28 (SA\2)	03	21
Section D: Q.no.29&30 (Case Based)	04	08
Section-E: Q.no.31-33 (LA)	05	15
Total =	33	70

DAV PUBLIC SCHOOLS, JHARKHAND ZONE -L

SYLLABUS:2026-27

CLASS :XII

SUBJECT CODE : 043

SUBJECT: CHEMISTRY

MONTH	CHAPTER & TOPIC	WEIGHTAGE	
		HALF YEARLY	PRE-BOARD
APRIL	<u>SOLUTIONS</u> Types of Solutions, Expression of Concentration of Solutions, Solubility, Vapour Pressure of Liquid Solutions, Ideal and Non –Ideal Solutions, Colligative Properties and Determination of Molar Mass, Abnormal Molecular Masses.	12	07
	<u>ELECTRO CHEMISTRY</u> Electrochemical Cells, Galvanic Cells, Nernst Equation,		
MAY	<u>ELECTRO CHEMISTRY</u> Conductance of Electrolytic solutions, Electrolytic Cells and Electrolysis, Batteries, Fuel Cells, Corrosion.	14	09
JUNE	<u>HALO ALKANES & HALO ARENES</u> Classification, Nomenclature, Nature of C–X bond, Methods of Preparation of Haloalkanes,.	11	06
JULY	<u>HALO ALKANES & HALO ARENES</u> Preparation of Haloarenes, Physical Properties, Chemical Reactions, Polyhalogen Compounds	11	06
	<u>ALCOHOLS, PHENOLS & ETHERS</u> Classification, Nomenclature, Structures of Functional Groups, Alcohols and Phenols, Some commercially Important Alcohols, Ethers.		
AUGUST	<u>ALDEHYDES, KETONES & CARBOXYLIC ACID</u> Nomenclature and Structure of Carbonyl Group, Preparation of Aldehydes and Ketones, Physical Properties and Chemical Reactions, Uses of Aldehydes and Ketones Nomenclature Structure of Carboxyl Group, Methods of Preparation of Carboxylic Acids, Physical Properties and Chemical Reactions, Uses of Carboxylic Acids.	12	08
	<u>AMINES</u> Structure of Amines, Classification, Nomenclature, Preparation of Amines, Physical Properties, Chemical Reactions, Methods of Preparation of Diazonium Salts, Physical Properties, Chemical Reactions, Chemical Reactions Importance of Diazonium Salts in Synthesis of Aromatic Compounds.	10	06
SEPTEMBER	REVISION & HALF YEARLY EXAM	-	-
OCTOBER	<u>CHEMICAL KINETICS</u> Rate of a Chemical reaction, factors influencing rate of	-	

	reaction, integrated rate equations, Temperature Dependence of the rate of a reaction, Collision theory of Chemical Reactions. <u>THE D & F BLOCK ELEMENTS</u> Position in the Periodic Table, Electronic configuration of the d-Block Elements, General properties of the Transition Elements (d-Block), Some Important Compounds of Transition Elements, The Lanthanoids, The Actinoids, Some Applications of d- and f- Block Elements. <u>COORDINATION COMPOUNDS</u> Werner's Theory of Coordination Compound, Definition of Some important terms pertaining to Coordination Compounds, Nomenclature of Coordination Compounds. Isomerism in Coordination Compounds, Bonding in coordination compounds, Bonding in Metal Carbonyls, Importance and Applications of Coordination Compounds		07
			07
			07
NOVEMBER	<u>BIO MOLECULES</u> Carbohydrates. Proteins, Enzymes, Vitamins Nucleic Acids, Hormones REVISION PREPARATORY TEST SERIES	-	07
DECEMBER	PRE - BOARD	-	-
JANUARY	EXTRA CLASS PRACTICAL EXAM	-	-
FEBRUARY	BOARD EXAM	-	-

NO.OF QUESTION	MARKS	TOTAL MARKS
Section-A: Q no.1-16 (MCQ)	1	16
Section-B: Q.no. 17-21	02	10
Section-C: Q.no.22-28	03	21
SectionD: Q.no.29&30	04	08
Section-E: Q.no.31-33	05	15
Total =	33	70

There are no overall choice in the question paper. However, there will be internal choices in the section- B, C , D and E.

Blue Print:

Name of the School: D A V Public School, NIT Campus

Maximum Marks- 70

Time- 3 Hrs

Session-2026-27

Class- 12

Subject- Chemistry

Examination- Half Yearly Examination

Sl. No.	Unit	Chapter	MCQ	VSA	SA	LA	Case Based	Total Marks
1	1	Solutions	3	2		1		12
2	2	Electrochemistry	3	2	1		1	14
3	6	Halo alkanes and Halo arenes	2	1	1		1	11
4	7	Alcohols, Phenols and Ethers	2		3			11
5	8	Aldehydes, Ketones and Carboxylic acids	4		1	1		12
6	9	Amines	2		1	1		10
		Total	16		7	3	2	70

DEPT. OF CHEMISTRY

PRINCIPAL

DAV PUBLIC SCHOOLS, JHARKHAND ZONE -L

SYLLABUS:2026-27

CLASS :XII

SUBJECT CODE : 044

SUBJECT: BIOLOGY

MONTH	TOPIC	MARKS	
		Pre-Board & Board	HY
APRIL	Ch-1 Sexual Reproduction in Flowering Plants	6	12
MAY	Ch-2 Human Reproduction	6	12
JUNE	Ch-3 Reproductive Health	4	6
JULY	Ch-4 Principles of Inheritance and Variation	8	12
	Ch-5 Molecular Basis Of Inheritance	8	12
	Ch-6 Evolution	4	4
AUGUST	Ch-7 Human Health and Disease	6	6
	Ch-8 Microbes in Human Welfare		
	Ch-9 Biotechnology: Principles and Processes	6	6
		6	
SEPTEMBER	Half Yearly Exam		70
OCTOBER	Ch- 10 Biotechnology and Its Application		
	Ch-11 Organisms and Populations	6	
	Ch-12 Ecosystem	3	
		3	

NOVEMBER	Ch-13 Biodiversity and Its Conservation	4
DECEMBER	Pre Board Exam	70

BLUEPRINT

Marks per Question	No. of questions	Total marks
1 mark (MCQ)	16	16
2 marks (VSA)	5	10
3 marks (SA)	7	21
4 marks (case-based)	2	8
5 marks (LA)	3	15
Total	33	70

DAV PUBLIC SCHOOL, NIT CAMPUS, ADITYAPUR

SYLLABUS FOR THE SESSION 2026-27

Class XII Accountancy (055)

	Topic	Weightage		
ChNo		Month	HY	
	Class-XII (2026-27)			
	Part A Accounting for Not-for-Profit Organizations, Partnership Firms and Companies			
	Accounting for Partnership Firms			
1	Accounting for Partnership Firms - Basic Concepts	April	60	
2	Change in PSR	April		
3	Admission of Partners	May		
4	Retirement of Partner	June		
5	Death of a Partner	July		
	Part B Financial Statement Analysis		20	
6	Financial Statements of Companies (As per AS III)	July		
7	Financial Statements Analysis	Aug		
8	Financial Tools	Aug		
9	Accounting Ratios	Aug/Sept		
	Part A Accounting for Not-for-Profit Organizations, Partnership Firms and Companies			
10	Dissolution of Partnership Firms	Oct		
11	Accounting for Companies - issue of Shares	Oct		
12	Accounting for Companies - issue of Debentures	Nov		
	Part B Financial Statement Analysis			
13	Cash Flow Statement	Nov		
	Part C Project Work		20	
	FM		100	

Prepared by
S. LOKESH RAO
PGT

Rekha Kumari
Principal

DAV PUBLIC SCHOOL, NIT CAMPUS, ADITYAPUR

SYLLABUS FOR THE SESSION 2026-27

Class XII Business Studies (054)

		Weightage		
Ch No	Chapter Name	Month	HY	
	Part A Principles and Functions of Management			
1	Nature and Significance of Management	April	12	
2	Principles of Management	April	12	
3	Business Environment	May	8	
4	Planning	June	14	
5	Organising	July	10	
6	Staffing	July	10	
7	Directing	Aug	10	
8	Controlling	Aug/Sept	14	
	Part B Business Finance and Marketing			
9	Financial Management	Sept		
10	Financial Markets	Oct		
11	Marketing Management	Nov		
12	12 Consumer Protection	Dec		
	Part C Project Work (One)		10	
	FM		100	

Prepared by
S. LOKESH RAO
PGT

Rekha Kumari
Principal

DAV PUBLIC SCHOOL, NIT CAMPUS, ADITYAPUR

SYLLABUS FOR THE SESSION 2026-27

Class XII

ECONOMICS (030)

MONTH	INTRODUCTORY MACRO ECONOMICS	INDIAN ECONOMIC DEVELOPMENT
APRIL	NATIONAL INCOME AND RELATED AGGREGATES Basic concepts of macroeconomics. Circular flow of income	DEVELOPMENT EXPERIENCE AND ECONOMIC REFORMS since 1991 Indian Economy on the eve of independence. Indian economic system and common goals of Five year plans
MAY	NATIONAL INCOME AND RELATED AGGREGATES Aggregates related to national income. Methods of calculating National income.	DEVELOPMENT EXPERIENCE AND ECONOMIC REFORMS since 1991 Main features, problems and policies of agriculture, industry and foreign trade
JUNE	MONEY	ECONOMIC REFORMS since 1991
JULY	BANKING: Commercial banks and the central banks	CURRENT CHALLENGES FACING INDIAN ECONOMY Human capital formation
AUGUST	DETERMINATION OF INCOME AND EMPLOYMENT Aggregate demand and related concepts Propensity to consume and propensity to save. REVISION	CURRENT CHALLENGES FACING INDIAN ECONOMY Rural development REVISION
SEPTEMBER	HALF YEARLY EXAMINATION	
OCTOBER	DETERMINATION OF INCOME AND EMPLOYMENT Short run equilibrium output; Investment multiplier and its mechanism. Excess demand and deficient demand	CURRENT CHALLENGES FACING INDIAN ECONOMY Employment
NOVEMBER	GOVERNMENT BUDGET AND THE ECONOMY BALANCE OF PAYMENTS Foreign exchange rate	CURRENT CHALLENGES FACING INDIAN ECONOMY Environment and sustainable economic development DEVELOPMENT EXPERIENCE OF INDIA: A comparison with neighbours
DECEMBER	REVISION	

BLUE PRINT FOR HALF YEARLY EXAM

MACRO ECONOMICS (40 marks)							
SL NO.	TOPICS	MARKS	MCQ (1mark each)	VSA (3 marks each)	SA (4 marks each)	LA (6 marks each)	TOTAL (No. of questions)
1	NATIONAL INCOME AND RELATED AGGREGATES	14	4		1	1	6
2.	MONEY	9	2	1	1		4
3.	BANKING	11	2	1		1	4
4.	AGGREGATE DEMAND AND ITS COMPONENTS	6	2		1		3
INDIAN ECONOMIC DEVELOPMENT (40 marks)							
1.	INDIAN ECONOMY ON THE EVE OF INDEPENDENCE	6	2		1		3
2.	INDIAN ECONOMY 1950-1990	9	2	1	1		4
3.	INDIAN ECONOMIC REFORM 1991	8	2			1	3
4.	HUMAN CAPITAL FORMATION	11	2	1		1	4
5.	RURAL DEVELOPMENT	6	2		1		3

DAV PUBLIC SCHOOLS, JHARKHAND ZONE -L

SYLLABUS:2026-27

CLASS :XII

SUBJECT: COMPUTER SCIENCE(083)

MONTH	CHAPTER & TOPIC	WEIGHTAGE	
		HALF YEARLY	PRE-BOARD
APRIL	Revision of Python topics covered in Class XI. Functions: types of function (built-in functions, functions defined in module, user defined functions), creating user defined function, arguments and parameters, default parameters, positional parameters, function returning value(s), flow of execution, scope of a variable (global scope, local scope)	28	AS PER CBSE 12 SYLLABUS 26-27
MAY	Exception Handling: Introduction, handling exceptions using try-except-finally blocks. Introduction to files, types of files (Text file, Binary file, CSV file), relative and absolute paths	03	
JUNE	Text file: opening a text file, text file open modes (r, r+, w, w+, a, a+), closing a text file, opening a file using with clause, writing/appending data to a text file using write() and writelines(), reading from a text file using read(), readline() and readlines(), seek and tell methods, manipulation of data in a text file.	14	
JULY	Binary file: basic operations on a binary file: open using file open modes (rb, rb+, wb, wb+, ab, ab+), close a binary file, import pickle module, dump() and load() method, read, write/create, search, append and update operations in a binary file	10	
AUGUST	CSV file: import csv module, open / close csv file, write into a csv file using writer(), write row(), write rows() and read from a csv file using reader() Data Structure: Stack, operations on stack (push & pop), implementation of stack using list. Database concepts: introduction to database concepts and its need Relational data model: relation, attribute, tuple, domain, degree, cardinality, keys (candidate key, primary key, alternate key, foreign key)	08	
		07	
SEPTEMBER	Revision & Half yearly Examination. Structured Query Language: introduction, Data Definition Language and Data Manipulation Language, data type, drop database, show tables, create table, describe table, alter table (add and remove an attribute, add and remove primary key), drop table, insert, delete, select, operators (mathematical, relational and logical), aliasing, distinct clause, where		

	clause, in, between, order by, meaning of null, is null, is not null, like, update command, delete command, aggregate functions (max, min, avg, sum, count), group by, having clause, joins: cartesian product on two tables, equi-join and natural join		
OCTOBER	Evolution of networking: introduction to computer networks, evolution of networking (ARPANET, NSFNET, INTERNET) Data communication terminologies: concept of communication, components of Data communication (sender, receiver, message, communication media, protocols), measuring capacity of communication media (bandwidth, data transfer rate), IP address, switching techniques (Circuit switching, Packet switching) Transmission media: Wired communication media (Twisted pair cable, Co-axial cable, Fiber-optic cable), Wireless media (Radio waves, Micro waves, Infrared waves) Network devices (Modem, Ethernet card, RJ45, Repeater, Hub, Switch, Router, Gateway, WIFI card) Network topologies and Network types: types of networks (PAN, LAN, MAN, WAN), networking topologies (Bus, Star, Tree) Network protocol: HTTP, FTP, PPP, SMTP, TCP/IP, POP3, HTTPS, TELNET, VoIP Introduction to web services: WWW, Hyper Text Markup Language (HTML), Extensible Markup Language (XML), domain names, URL, website, web browser, web servers, web hosting. Interface of python with an SQL database: connecting SQL with Python, performing insert, update, delete queries using cursor, display data by using connect(), cursor(), execute(), commit(), fetchone(), fetchall(), rowcount, creating database connectivity applications, use of %s format specifier or format() to perform queries		
NOVEMBER	Revision/Test Series		
DECEMBER	PRE – BOARD EXAMINATION.		
JANUARY	Revision PRACTICAL EXAM		
FEBRUARY	BOARD EXAM		

BLUEPRINT FORMAT FOR SYLLABUS

HALF-YEARLY/ANNUAL EXAMINATION BLUEPRINT FORMAT

Session: 2026–27

Class: XII

Subject: COMPUTER SC.

Examination: Half-Yearly Examination

Maximum Marks: 70

Time: 3:00 HrS.

Sl. No.	UNIT/C hapter	Topics Covered	MCQ	2 MARKS	3 MARKS	4 MARKS	5 MARKS	Marks
1	Unit I	Revision of Python topics covered in Class XI.	10	3(2)	1(3)	1(4)	1(5)	28
2	Unit I	Functions						
3	Unit I	Exception Handling			1(3)			03
4	Unit I	Introduction to files, types of files, Text file	5	2(2)			1(5)	14
5	Unit I	Binary file	3		1(3)	1(4)		10
6	Unit I	CSV file	2	1(2)		1(4)		08
7	Unit I	Data Structure	1	1(2)		1(4)		07
		TOTAL	21	07	03	04	02	70

DAV PUBLIC SCHOOLS, JHARKHAND ZONE -L

SYLLABUS:2026-27

CLASS :XII

SUBJECT: PHYSICAL EDUCATION(048)

MONTH	TOPIC	MARKS	
		HY	Annual
APRIL	Ch-1 Management of Sporting Events	12	9
	Ch-2 Children and Women in Sports	10	7
MAY	Ch-3 Yoga as Preventive measure	12	7

	for Lifestyle Disease	
JUNE	Ch-4 Physical Education and Sports for CWSN Ch-5 Sports and Nutrition	12 8 12 7
JULY	Ch-6 Test and Measurement in Sports	12 8
AUGUST	Ch-7 Physiology and Injuries in Sports Ch-8 Biomechanics and Sports	8 10
SEPTEMBER	Half Yearly Exam	70
OCTOBER	Ch- 9 Psychology and Sports Ch- 10 Training in Sports	7 9
NOVEMBER	Revision/Test Series	
DECEMBER	PRE – BOARD EXAMINATION	

JANUARY	Revision PRACTICAL EXAM	
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FEBRUARY	BOARD EXAM	
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BLUEPRINT

Marks per Question	No. of questions	Total marks
1 mark (MCQ)	18	18
2 marks (VSA)	5	10
3 marks (SA)	5	15
4 marks (case-based)	3	12
5 marks (LA)	3	15
Total	34	70