



M.D.DAYANAND MODEL SCHOOL NAKODAR
BLUE PRINT FOR SEPT. EXAM OF CLASS 12TH SCIENCE (2023-24)

ENGLISH CORE (Code No. 301)

Section A
Reading Skills

I Reading Comprehension through Unseen Passage (12+10 = 22 Marks)

1. One unseen passage to assess comprehension, interpretation, analysis and inference. Vocabulary assessment will also be assessed via inference. The passage may be factual, descriptive or literary.
2. One unseen **case-based factual** passage with verbal/visual inputs like statistical data, charts etc. to assess comprehension, interpretation, analysis, inference and evaluation.

Section B – 18 Marks
Creative Writing Skills

II. Creative Writing Skills

3. Notice. (3 Marks)
4. Letters to the editor (giving suggestions or opinion on issues of public interest). (5 Marks)
5. Article Writing (5 Marks)
6. Report Writing (5 Marks)

Section C – 40 Marks
Literature Text Book and Supplementary Reading Text

7. One Poetry extract out of two, from the book **Flamingo**. (6x1=6 Marks)
8. One Prose extract out of two, from the book **Vistas**. (4x1=4 Marks)
9. One prose extract out of two from the book **Flamingo**. (6x1=6 Marks)
10. Short answer type questions (from Prose and Poetry from the book **Flamingo**). (5x2=10 Marks)
11. Short answer type questions, from **Prose (Vistas)**. (2x2=4 Marks)
12. One Long answer type question, from **Prose/Poetry (Flamingo)**, (1x5=5 Marks)
13. One Long answer type question, based on the chapters from the book **Vistas**. (1x5=5 Marks)

PHYSICAL EDUCATION

Name	1 Mark	2 Mark	3 Mark	4 Mark	5 Mark	Total
Unit-1 Management of Sporting Events	3		1	1	1	15
Unit-2 Children and Women in Sports	4	1	1	1		13
Unit-3 Yoga as Preventive Measure for Lifestyle Disease	4	1	1	1		13
Unit-5 Sports and Nutrition	4	1	1		1	14
Unit-6 Test and Measurements in Sports	3	2	1		1	15
	18	5	5	3	3	70

INFORMATICS PRACTICES
TOTAL 70 MARKS

Name Of Unit	Objective Type Ques. 1 Marks	Very Short Type Ques. 2 Marks	Short Type Ques 3 Marks	Long Type Ques. 4 Marks	Long Type Ques. 5 Marks	Total Marks
Unit 1: Data Handling using Pandas and Data Visualization	6	2	2		1	21
Unit 2: Database Query using SQL	6	2	1	1	1	22
Unit 3: Introduction to Computer Networks	6	3	2	1	1	27
Total No. of Ques.	18	7	5	2	3	70

Section A has 18 questions carrying 01 mark each.

Section B has 07 Very Short Answer type questions carrying 02 marks each.

Section C has 05 Short Answer type questions carrying 03 marks each.

Section D has 02 questions carrying 04 marks each.

Section E has 03 questions carrying 05 marks each

MATHEMATICS

S.No.	Chapter's Name	1 Mark	2 Marks	3 Marks	5 Marks	4 Marks (case based)	Total
01	Relation and function	02	–	01	1+ choice	–	10
02	Inverse Trigonometric Functions	02	01	–	01	–	09
03	Matrices	02+ AR	01	01	–	01	12
03	Determinants	03	01	01	01	–	13
04	Continuity & Differentiability	04	01+ choice	02	–	01	16
05	Application of derivatives	03	01	01+ choice	–	01	12
06	Linear Programming	2+AR	–	–	01	–	08
Total		20	10	18	20	12	80

BIOLOGY

CHAPTER	MCQ (1MARK)	A-R (1MARK)	2 MARK	3MARK	CASE BASED (4 MARK)	5 MARK	TOTAL MARKS
SEXUAL REPRODUCTION IN FLOWERING PLANTS	2	1	1	1		1	12
HUMAN REPRODUCTION	2	1	1	1	1		12
REPRODUCTIVE HEALTH	2	1	1	1			8
PRINCIPLES OF INHERITANCE AND VARIATION	2		1	1		1	12
MOLECULAR BASIS	2	1		2	1		10
HUMAN HEALTH	2		1	1		1	12
	12	4	5	7	2	3	

TOTAL QUESTIONS: 33

Total marks: 70

CHEMISTRY

CHAPTER	MCQ (1MARK)	A-R (1MARK)	2 MARK	3MARK	CASE BASED (4 MARK)	5 MARK	TOTAL MARKS
SOLUTIONS	2	1	1	1	1		12
HALOALKANES	2		1	1		1	12
ALCOHOLS, PHENOLS AND ETHERS	2	1	1	1		1	13
ALDEHYDES, KETONES AND CARBOXYLIC ACIDS	2	1	1	2	1		15
AMINES	2	1	1	1			8
BIOMOLECULES	2			1		1	10
	12	4	5	7	2	3	

TOTAL QUESTIONS: 33

Total marks: 70

PHYSICS

	Maximum Marks: 70							
	Chapter	1M (MCQ)	1M (AR)	2 Mar k	3 Mar k	4 Mark (CS)	5 Mar k	Total Mark
1	Electric Charges and Fields	2		1	2			10
2	Electrostatic Potential and Capacitance	2	1		1		1	11
3	Current Electricity	2	1		1		1	11
4	Moving Charges and Magnetism	2		1	1		1	12
5	Magnetism and Matter	1			1	1		8
6	Electromagnetic Induction	1	1	1		1		8
7	Alternating Current	2	1	2	1			10
		12	4	5	7	2	3	70

TOTAL QUESTION: 33

MAXIMUM MARKS: 70

Section A: 1 Mark (Multiple Type Questions) (16 Marks)

- 12 Question: MCQ Type (12 x 1 Mark = 12 Marks)
- 4 Question- Assertion Reason Type (4 x 1 Mark = 4 Marks)

Section B: 2 Mark (Very Short Type Question) (10 Marks)

- 5 Questions of 2 Marks (5 x 2 Mark = 10 Mark)

Section C: 3 Mark (Short Answer Type Question) (21 Marks)

- 7 Questions of 3 Marks (7 x 3 Mark = 21 Marks)

Section D: 4 Mark (Case Based/Source Based Questions) (8 Marks)

- 2 Questions of 4 Marks (2 x 4 Mark = 8 Marks)

Section E: 5 Mark (Long Answer Type Question) (15 Marks)

- 3 Questions of 5 Marks (3 x 5 Mark = 15 Marks)

SECTION A = 16 MARKS
 SECTION B = 10 MARKS
 SECTION C = 21 MARKS
 SECTION D = 8 MARKS
 SECTION E = 15 MARKS
TOTAL = 70 MARKS

SYLLABUS FOR HALF YEARLY EXAMINATION, SEPTEMBER 2023

CLASS XII SCIENCE

ENGLISH:

- Book- Flamingo
 - The last lesson
 - Lost spring
 - Deep water
 - The Rattrap
 - Indigo
- Poems
 - My mother at Sixty-six
 - Keeping quiet
 - A Thing of beauty
- Book- Vistas
 - The Third level
 - The Tiger King
 - Journey to the End of the Earth
- Writing skills
 - Notice
 - Letter
 - Article
 - Report

CHEMISTRY:

CH-1	Solutions
CH-6	Haloalkanes and Haloarenes
CH-7	Alcohols, phenols and Ethers
CH- 8	Aldehydes, Ketones and Carboxylic acids
CH- 9	Amines
CH-10	Biomolecules

PHYSICS:

1. Electric charges and field
2. Electrostatic potential and capacitance
3. Current electricity
4. Moving charges and magnetism
5. Magnetism and matter
6. Electromagnetic induction
7. Alternating current

INFORMATICS PRACTICES

Unit 1: Data handling using Pandas – I Pandas- II

Full till Importing/ Exporting Data between CSV files and Data Frames.

Unit 2: Database Query using SQL

Unit 3: Introduction to Computer Networks

MATHEMATICS

CH- 1	Relations and Functions
CH- 2	Inverse Trigonometric Functions
CH- 3	Matrices
CH- 4	Determinants
CH- 5	Continuity and Differentiability
CH- 6	Applications of Derivatives
CH- 12	Linear Programming

PHYSICAL EDUCATION

Unit-1	Management of sporting events
Unit-2	Children and Women in Sports
Unit- 3	Yoga as preventive measure for lifestyle disease
Unit-5	Sports and Nutrition
Unit-6	Test and Measurement in sports

BIOLOGY

1. Sexual Reproduction in Flowering plants
2. Human Reproduction
3. Reproductive Health
4. Principles of Inheritance and Variations
5. Molecular Basis of Inheritance
6. Human health and diseases