



Freedom Valley School, Bardoli

(ACADEMIC SESSION-2025-26)

PERIODIC TEST-II

SYLLABUS, PAPER PATTERN, DATE-SHEET

CLASS-XII Sci.



Dear Parents,

Greeting from Freedom Valley School,

"Education is not the learning of facts, but the training of the mind to think." – Albert Einstein."

Kindly note that, as per the school calendar, **Periodic Test-II** for Classes **XI to XII** will commence from **15th September 2025**.

We understand that you are eager for your child to perform well. Let us work together to encourage and guide them to prepare sincerely for these examinations.

We request you to go through the examination details carefully and extend your support to ensure your child's success.

SN.	SUBJECT & EXAM DATE	CHAPTERS/TOPICS	PAPER PATTERN
1.	Physics 15.09.2025 (Monday)	Physics Part 2 Ch-9 to Ch-14	Section A : MCQs $1 * 16 = 16$ Section B : 5 Very Short Answer $2 * 05 = 10$ Section C : 7 Short Answer $3 * 07 = 21$ Section D : 2 Case-Based $4 * 02 = 08$ Section E : 3 Long Answer $5 * 03 = 15$ Total marks = 70 Marks
2.	English 16.09.2025 (Tuesday)	Flamingo 1. The Last Lesson 2. Lost Spring 3. Deep Water 4. The Rattrap 5. My Mother at Sixty-Six 6. Keeping Quiet 7. A Thing of Beauty Vistas 1. The Third Level 2. The Tiger King 3. Journey to the End of the Earth Section B 1. Notice 2. Formal Letter 3. Invitation Writing	SECTION A – READING SKILLS (22 M) Q.1. Discursive Unseen Passage (12 M) Q.2. Case Based Factual Passage (10 M) SECTION B: GRAMMAR & CREATIVE WRITING SKILLS (13 M) Q.3. One out of Two Notice Writing - 50 Words (4M) Q. 4. One out of Two – Invitation Writing - 50 Words (4M) Q. 5. One out of Two – Letter Writing – 120-150 Words (5M) SECTION C LITERATURE TEXT BOOK & SUPPLEMENTARY READING TEXT -45 M) Q. 6. One extract out of two – Flamingo Poetry (6 M) Q. 7. One extract out of two – Vistas (5 M) Q. 8. One extract out of two – Flamingo Prose (6 M) Q. 9. Six out of Seven from Flamingo (40 to 50 words) (6x2=12M) Q. 10. Three out of Four from Vistas (40 to 50 words) (3x2=6M) Q. 11. One out of Two questions from Hornbill (100 to 150 words) (1x5=5M) Q.12. One out of Two questions from Snapshots (100 to 150 words) (1x5=5M) Total marks = 80 Marks

3.	Chemistry 17.09.2025 (Wednesday)	Ch-1-Solutions Ch-2 – Electrochemistry Ch-3- Chemical Kinetics Ch-5-Coordination Compounds Ch-6-Haloalkanes and Haloarenes	<p>Section-A consists of 16 objective type questions carrying 1 mark each.</p> <p>Section-B consists of 5 Very Short questions carrying 02 marks each.</p> <p>Section-C consists of 7 Short Answer type questions carrying 03 marks each</p> <p>Section-D consists of 3 Long Answer type questions carrying 05 marks each.</p> <p>Section-E consists of 2 source-based/case-based units of assessment of 04 marks</p> <p style="text-align: right;">Total marks = 70 Marks</p>
4.	Computer Science 18.09.2025 (Thursday)	Ch-1 Python Revision Tour Ch-2 Python Revision Tour- II Ch-3 Working with Functions Ch-5 File Handling Ch-6 Data Handling Ch-7 Data Structure- I Ch-8 Computer Networks - I Ch-09 Computer Networks - II Ch-10 Relational Databases Ch-11 Simple Queries in SQL Ch-12 Table Creation and Data Manipulation Commands	<p>Section A Q-1 Answer the following questions. (1*21=21marks)</p> <p>Section B Q-2 Answer the following questions. (2*7=14 Marks)</p> <p>Section C Q-3 Answer the following questions. (3*3=09 Marks)</p> <p>Section D Q-4 Answer the following questions. (4*4=16 Marks)</p> <p>Section E Q-5 Answer the following questions. (5*2=10 Marks)</p> <p style="text-align: right;">Total marks = 70 Marks</p>
5.	Physical Education 18.09.2025 (Thursday)	Ch-1- Management of sporting events Ch-2-Children & women in sports Ch-3-Yoga as preventive measure for lifestyle disease Ch-4- CWSN Ch-5- Sports nutrition Ch-6 -Test & measurement	<p>Section A : 1 * 18 = 18 Section B : 2* 05 = 10 Section C : 3* 05 = 15 Section D : 4* 03 = 12 Section E : 5* 03 = 15</p> <p style="text-align: right;">Total marks = 70 Marks</p>
6.	Mathematics 19.09.2025 (Friday)	Ch-5-Continuity and Differentiability Ch-6-Application of Derivatives Ch-7-Integrals Ch-8-Application of Integrals	<p><u>This Question Paper has 5 Sections A-E.</u></p> <p>Section-A has 20 MCQs carrying 1 mark each. Section-B has 5 questions carrying 02 marks each. Section-C has 6 questions carrying 03 marks each. Section-D has 4 questions carrying 05 marks each Section-E has 3 case based integrated units of assessment (04 marks each)</p> <p style="text-align: right;">Total marks = 80 Marks</p>

7.	Biology 19.09.2025 (Friday)	Chapter 2 Human Reproduction Chapter 3 Reproductive Health Chapter 4 Principles of Inheritance and Variation Chapter 5 Molecular Basis of Inheritance Chapter 9 Biotechnology Principles and Processes Chapter 10 Biotechnology and Its Application	<p><u>The question paper has five sections and 33 questions.</u></p> <p><u>Section–A</u> has 16 questions of 1 mark each;</p> <p><u>Section–B</u> has 5 questions of 2 marks each;</p> <p><u>Section– C</u> has 7 questions of 3 marks each;</p> <p><u>Section– D</u> has 2 case-based questions of 4 marks each; and</p> <p><u>Section–E</u> has 3 questions of 5 marks each.</p> <p style="text-align: right;">Total marks = 70 Marks</p>
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Principal
Freedom Valley School