



# Freedom Valley School, Bardoli

(ACADEMIC SESSION-2023-24)

PERIODIC TEST-II

SYLLABUS, PAPER PATTERN, DATE-SHEET

CLASS-XII Sci.



Dear Parents,

Greeting from Freedom Valley School,

**“Education is the passport to the future, for tomorrow belongs to those who prepare for it today.”**

Kindly note down, that as per the school calendar, **Periodic Test-II for Std.11 & 12 is to start on 03.10.2023.** We know you are all really anxious for your child to do well. We extend our hand to encourage your Child to work hard. Please go through the Exam details carefully.

SN.	SUBJECT & EXAM DATE	CHAPTERS/TOPICS	PAPER PATTERN
1.	Mathematics 03.10.2023 (Tuesday)	Chapter 2: Inverse Trigonometric Functions  Chapter 5: Continuity and Differentiability  Chapter 6: Application of Derivatives  Chapter 7: Integrals  Chapter 8: Application of Integrals  Chapter 9: Differential Equations	<b><u>This Question Paper has 5 Sections A-E.</u></b>  <b><u>Section-A</u></b> has 20 MCQs carrying 1 mark each. <b><u>Section-B</u></b> has 5 questions carrying 02 marks each. <b><u>Section-C</u></b> has 6 questions carrying 03 marks each. <b><u>Section-D</u></b> has 4 questions carrying 05 marks each <b><u>Section-E</u></b> has 3 case based integrated units of assessment (04 marks each) with sub-parts of the values of 1, 1 and 2 marks each respectively.  <b>Total marks = 80 Marks</b>
2.	Biology 03.10.2023 (Tuesday)	Chapter: 2 Human Reproduction  Chapter: 3 Reproductive Health  Chapter: 4 Principles of Inheritance and Variation  Chapter: 5 Molecular Basis of Inheritance  Chapter: 7 Human Health and Diseases  Chapter: 8 Microbes in Human Welfare	<b><u>The question paper has five sections and 33 questions.</u></b>  <b><u>Section-A</u></b> has 16 questions of 1 mark each; <b><u>Section-B</u></b> has 5 questions of 2 marks each; <b><u>Section- C</u></b> has 7 questions of 3 marks each;  <b><u>Section- D</u></b> has 2 case-based questions of 4 marks each; and  <b><u>Section-E</u></b> has 3 questions of 5 marks each.  <b>Total marks = 70 Marks</b>

3.	English 04.10.2023 (Wednesday)	Poems –1 to 4 Prose – 1 to 6 Vistas - 1 to 4	<p><b><u>Section-A</u> – Reading and Comprehension (22 M)</b>            Q.1 Unseen Passage 1 – (12)            Q.2 Unseen Passage 2 – (10)</p> <p><b><u>Section-B</u> – Creative Writing (18 M)</b>            Q.3 Notice Writing - Any one out of two (4)            Q.4 Invitation Writing – Any one out of two (4)            Q.5 Letter Writing – Any one out of two (5)            Q.6 Article Writing – Any one out of two (5)</p> <p><b><u>Section -C</u> – Literature (40 M)</b>            Q.7 Extract (Poem – Flamingo) – Any one out of two (6)            Q.8 Extract (Prose - Vistas) – Any one out of two (4)            Q.9 Extract (Prose – Flamingo) – Any one out of two (6)            Q.10 Short answer (Flamingo) – 40 to 50 words – Five out of Six (10)            Q.11 Short answer (Vistas) – 40 to 50 words – Two out of three (4)            Q.12 Long answer (Flamingo) – 120 to 150 words – One out of two (05)            Q.13 Long answer (Vistas) – 120 to 150 words – One out of two (05)</p> <p style="text-align: right;"><b>Total marks = 80 Marks</b></p>
4.	Chemistry 05.10.2023 (Thursday)	Chapter-1 –Solution Chapter-2- Electrochemistry Chapter- 3 -Chemical Kinetics Chapter-11- Alcohols, Phenols and Ethers Chapter -12 – Aldehyde , Ketones and Carboxylic acid Chapter-14 - Biomolecules	<p><b><u>Section-A</u></b> consists of 16 objective type questions carrying 1 mark each.</p> <p><b><u>Section-B</u></b> consists of 5 Very Short questions carrying 02 marks each.</p> <p><b><u>Section-C</u></b> consists of 7 Short Answer type questions carrying 03 marks each</p> <p><b><u>Section-D</u></b> consists of 3 Long Answer type questions carrying 05 marks each.</p> <p><b><u>Section-E</u></b> consists of 2 source-based/case-based units of assessment of 04 marks</p> <p style="text-align: right;"><b>Total marks = 70 Marks</b></p>
5.	Computer Science 06.10.2023 (Friday)	Chapter -1 Python revision tour -1 Chapter -2 Python revision tour -2 Chapter -3 Functions Chapter -7 File Handling and Exception Handling Chapter -8 Data Structure Chapter -11 Relational Databases	<p><b><u>Section-A</u></b> Each question will be of 1 mark. (1*12=12Marks)</p> <p><b><u>Section-B</u></b> Each question will be of 2 marks. (2*4=8Marks)</p> <p><b><u>Section-C</u></b> Each question will be of 3 marks. (3*10=30Marks)</p> <p><b><u>Section-D</u></b> Each question will be of 5 marks. (5*4=20Marks)</p> <p style="text-align: right;"><b>Total marks = 70 Marks</b></p>

<b>6.</b>	Physical Education 06.10.2023 (Friday)	Ch-1 management of sporting events Ch-2 children & women in sports Ch-3 yoga Ch-4 CWSN Ch-5 nutrition	<b>Section A : 1 * 18 = 18</b> <b>Section B : 2* 05 = 10</b> <b>Section C : 3* 05 = 15</b> <b>Section D : 4* 03 = 12</b> <b>Section E : 5* 03 = 15</b>  <b>Total marks = 70 Marks</b>
<b>7.</b>	Physics 07.10.2023 (Saturday)	Ch-1 : Electric field and force Ch-2: Electric potential and capacitors Ch-3: Electricity Ch-4: Magnetic effect of current Ch-5: Magnetism and matter Ch-6:Electromagnetic Induction Ch-7 : Alternating current Ch-8: Electromagnetic wave Ch-14 : Semiconductors	<b>Section A : 1 * 16 = 16</b> <b>Section B : 2* 05 = 10</b> <b>Section C : 3* 07 = 21</b> <b>Section D : 4* 02 = 8</b> <b>Section E : 5* 03 = 15</b>  <b>Total marks = 70 Marks</b>

Principal  
Freedom Valley School