

**VASISHTHA GENESIS SCHOOL, BARDOLI**  
**HALF YEARLY EXAMINATION (ACADEMIC SESSION 2025-26)**  
**SYLLABUS, PAPER PATTERN, DATE-SHEET FOR XII-A SCIENCE**

Dear Parents,

You are requested to go through the following document carefully. We wish you to keep guiding and motivating your wards for the upcoming examination.

<b>SN</b>	<b>Subject</b>	<b>SYLLABUS</b>	<b>PAPER PATTERN</b>
01	<b>Physics (042)</b>	Ch 01 Electric Charge And Field Ch 02 Electric Potential And Capacitance Ch 03 Current Electricity Ch 04 Magnetic Effect Of Current	SECTION A: MCQs (1x16=16) SECTION B: Short Answer Type – I Questions. (2x5=10) SECTION C: Short Answer Type – II Question (3x7=21) SECTION D: Case based Questions (4x2= 8) SECTION E: Long Answer type Questions (5x3=15)
02	<b>English Core (301)</b>	<b>Reading Skill</b> Unseen Passage <b>Writing skills</b> Notice writing Invitation and replies <b>Letter to Editor</b> <b>Article writing</b> <b>Flamingo</b> <b>Prose</b> 1. The last lesson 2. Lost Spring 3. Deep Water 4. The Rattrap <b>Poems</b> 1. My Mother at 66 2. Keeping Quiet <b>Vistas</b> 1. The Third Level 2. The Tiger King 3. Journey to the End of the Earth	<b>Section A- Reading Skill (22M)</b> Q1. Unseen passage (1x12=12) Q2. Unseen passage (1x10=10) <b>Section B- Advanced Writing Skill (18M)</b> Q3. Notice Writing (Any 1/2) (4x1=4) Q4. Formal/Informal Invitation (Any 1/2) (4x1=4) Q5. Article Writing (Any 1/2) (5x1=5) Q6. Letter to the Editor (Any 1/2) (5x1=5) <b>Section C- Literature (40M)</b> Q7. Poetry-based extract (Flamingo) (Any1/2)(1x6=6) Q8. Prose-based extract (Vistas)(Any1/2) (1x4=4) Q9. Prose-based extract (Flamingo)(Any 1/2) (1x6=6) Q10. Answer in 40- 50 words (Flamingo) (Any 5/6) (2x5=10) Q11. Answer in 40-50 words with (Vistas) (Any2/3) (2x2=4) Q12. Answer in 120-150 words (Flamingo) (Any 1/2) (5x1=5) Q13. Answer in 120-150 words (Vistas) (Any 1/2) (5x1=5)
03	<b>Mathematics (041)</b>	Matrices and determinant Relation and functions Inverse trigonometric functions Limit, continuity and differentiability Differentiation	Section A : MCQs (1x20=20) Section B : Very Short Answer Type Que. (2x5=10) Section C : Short Answer Type Questions (3x6=18) Section D : Case based Questions. (5x4=20) Section E Long Answer type Questions. (4x3=12)
04	<b>Biology (044)</b>	Ch 1: Sexual reproduction in flowering plants Ch 2: Human reproduction Ch 3: Reproductive health Ch 4: Principles of inheritance and variation Ch 5: Molecular basis of inheritance	SECTION A: MCQs (1x16=16) SECTION B: Short Answer Type – I Questions. (2x5=10) SECTION C: Short Answer Type – II Question (3x7=21) SECTION D: Case based Questions (4x2= 8) SECTION E: Long Answer type Questions (5x3 =15)
05	<b>Chemistry (043)</b>	1. Alcohol phenol and ether 2. Haloalkanes and haloarenes 3. Solution and colligative properties 4. Coordination complexes 5. d and f Block elements 6. Aldehyde ketone and carboxylic acid	SECTION A- MCQ (1x16=16) SECTION B - short answer Type questions (5x2=10) SECTION C- short answer Type questions (7x3=21) SECTION D - case - based questions (2x4=8) SECTION E - long answer Type questions (3x5=15)

SN	Subject	SYLLABUS	PAPER PATTERN
06	<b>Physical Education (048)</b>	Chp no 1 Management of Sporting Events Chp no 2 children and women in sports Chp no 3 Yoga Chp no 5 Sports and nutrition Chp no 6 Test and measurement in sports Chp no 7 Physiology and injuries in sports	<b>SECTION A:MCQs</b> (1x18=18) <b>Section B</b> Very Short Answer Type Questions(2x5=10) <b>Section C</b> Very Short Answer Type Questions(3x5=15) <b>Section D</b> case -based questions (4x3=12) <b>Section E</b> long answer Type questions (5x3=15)
07	<b>Informatics Practices (065)</b>	CHAPTER 1: Data Handling using Pandas CHAPTER 2: Data Visualization using Matplotlib CHAPTER 3: Review of Database Concepts and SQL CHAPTER 4: Database Query using SQL CHAPTER 5: Computer Networks	MCQs (1x21= 21) Very Short Answer Type Questions (2x7=14) Short Answer Type Questions (3x4=12) Long Answer Type – I Question (4x2= 8) Long Answer Type – II Question (5x3=15)

EXAMINATION DATE SHEET						
01-08-2025 FRIDAY	02-08-2025 SATURDAY	04-08-2025 MONDAY	05-08-2025 TUESDAY	06-08-2025 WEDNESDAY	07-08-2025 THURSDAY	23-08-2025 SATURDAY
CHEMISTRY	IP/PE	MATHS\BIO	ENGLISH	DOUBT CLEARING SESSION	PHYSICS	PTM

Exam Department

Vice Principal

Principal

PRATICAL EXAMINATION SHEET		
DATE	XII-A	XII-B
21-07-2025 MONDAY	ENGLISH(PD) (8 to 9 AM)	---
23-07-2025 WEDNESDAY	ENGLISH(PD) (8 to 9 AM)	---
11-08-2025 MONDAY	BIO[8 to 11 am(Dk)]+ MATHS(9 to 10:- JP)	BIO[8 to 11 am(Dk)]+ Maths[8 to 9(JP)]+ ENGLISH [9 to 10 Eng Viva(SM) Maths stu.]+ [12:10 to 1:10 Eng.Viva (SM),Bio students]
12-08-2025 TUESDAY	CHEMISTRY (1 <sup>st</sup> Half)	PHYSICS (2 <sup>nd</sup> Half)
13-08-2025 WEDNESDAY	PHYSICS (1 <sup>st</sup> Half)	CHEMISTRY (2 <sup>nd</sup> Half)
14-08-2025 THURSDAY	IP/PE (1 <sup>st</sup> Half)	