



BIRLA PUBLIC SCHOOL GANGANAGAR

(A UNIT OF BIRLA EDUCATION TRUST PILANI)

(A step ahead....)



CBSE AFFILIATION NO. 1730974

Session : 2025-26

Class: XII A (Science)

Syllabus cum Schedule for Pre-Board I Examination

Sr. No.	Day & Date	Subject	Syllabus (Chapter No. & Chapter Name)	Typology of questions with marks
1.	12/12/2025 Friday	Physics	Chapter 1: Electric charges and fields chapter 2 : Electrostatic potential and capacitance chapter 3 : Current electricity Chapter 4 : Moving charges and magnetism chapter 5 : Magnetism and matter chapter 6 : Electromagnetic induction chapter 7 : Alternating current chapter 8 : Electromagnetic waves Chapter 9 : Ray optics and optical instruments Chapter 10 : Wave optics Chapter 11 : Dual nature of radiation and matter Chapter 12 : Atoms Chapter 13 : Nuclei Chapter 14 : Semiconductor electronics: materials, devices and simple circuits	(1) There are 33 questions in all. All questions are compulsory. (2) This question paper has five sections: Section A, Section B, Section C, Section D and Section E. (3) All the sections are compulsory. (4) Section A contains sixteen questions, twelve MCQ and four assertion reasoning based of 1 mark each, Section B contains five questions of two marks each, Section C contains seven questions of three marks each, Section D contains two case study-based questions of four marks each and Section E contains three long answer questions of five marks each. (5) There is no overall choice. However, an internal choice has been provided in two question in Section B, one question in Section C and all three questions in Section E. You have to attempt only one of the choices in such questions.
2.	13/12/2025 Saturday	English	Book Name: Flamingo Ch 1: The Last Lesson Ch 2: Lost Spring Ch 3: Deep Water Ch 4: The Rattrap Ch 5: Indigo Ch 6: Poets and Pancakes Ch 7: The Interview Poem 1: My Mother at Sixty-six Poem 2: Keeping Quiet Poem 3: A Thing of Beauty Poem 4: A Roadside Stand Poem 5: Aunt Jennifer's Tigers Book Name: Vistas Ch 1: The Third Level Ch 2: The Tiger King Ch 3: Journey to the End of the Earth Ch 4: The Enemy Ch 5: On the Face of it Ch 6: Memories of Childhood Composition: Notice Writing, Formal and Informal Invitation, Formal Letter Writing, Article Writing, Report Writing Reading Comprehension	Section A: Reading Skills (12+10 = 22 Marks) I Reading Comprehension through Unseen Passage 1. factual, descriptive or literary. 2. factual passage with verbal/visual inputs like statistical data, charts etc. Multiple Choice Questions / Objective Type Questions and Short Answer Type Questions Section B: Creative Writing Skills (18 marks) II. Creative Writing Skills 3. Notice, up to 50 words. One out of the two given questions to be answered. 4. Formal/Informal Invitation and Reply, up to 50 words. One out of the two given questions to be answered. 5. Letters based on verbal/visual input: Application for a job with bio data or resume. Letters to the editor. (One out of the two) 6. Article/ Report Writing, descriptive and analytical in nature, based on verbal inputs, (One out of the two) Section C: Literature (40 marks) 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=6Marks) 10. Short answer type questions (from Prose and Poetry from the book Flamingo) Five questions out of the six given, are to be answered. (5x2=10 Marks) 11. Short answer type questions, from Prose (Vistas) Any two out of three questions to be done. (2x2=4 Marks) 12. One Long answer type question, from Prose/Poetry (Flamingo). Any one

				out of two questions to be done. (1x5=5 Marks) 13. One Long answer type question, based on the chapters from the book Vistas. Any one out of two questions to be done. (1x5=5 Marks)
3.	15/12/2025 Monday	Psychology	Theory : Book Name: NCERT Textbook Ch.1 Variations in Psychological Attributes Ch.2 Self and Personality Ch.3 Meeting Life Challenges Ch.4 Psychological Disorder Ch.5 Therapeutic Approaches Ch.6 Attitude and Social Cognition Ch.7 Social Influence and Group Processes	• Theory (70 Marks) – Question No.1-14 in Section A carry 1 mark each. Question No. 15-19 in Section B are very short answer type-I questions carrying 2 marks each. – Question No. 20-23 in Section C are short answer type-II questions carrying 3 marks each. Question No. 24 - 27 in Section D are long answer type-I questions carrying 4 marks each Question No. 28-29 in Section E are long answer type-II questions carrying 6 marks each. Question No.30–33 in Section F are based on two cases given.
		Computer Science	Unit 1: Computational Thinking and Programming – 2 Unit 2: Computer Networks Unit 3: Database Management	1. Multiple choice questions- 4 (1 mark each) 2. Very Short answer type questions - 2 (1 mark each) 4. Short answer type questions- 3 (2 marks each) 5. Long answer type questions- 2 (3 marks each) 6. Case / Application based question – 1 (2 marks)
4.	17/12/2025 Wednesday	Chemistry	Chapter 1: Solution Chapter 2: Electrochemistry Chapter 3 : Chemical Kinetics Chapter 4 : The d and f block elements Chapter 5 : coordination compounds Chapter 6 :Haloalkane and Haloarene Chapter 7 :Alcohol phenol Ethers Chapter 8: Aldehyde, ketone, carboxylic Acid	1. Question 1(12 Multiple choice & 04 Assertion reason) has 16 parts, each worth 1 mark, in Section A. 2. Question 2 (Very short) contains five questions, each worth 2 marks, in Section B. 3. Question 3(Short) contains 7 questions, each worth 3 marks, in Section C. 4. Question 4(case-based) contains two questions, each worth 4 marks, in Section Question 5 (Long answer type)contains three questions, each worth 5 marks, in Section E.
5.	18/12/2025 Thursday	Music	Unit 1 1.1 Brief study of the following - Gram, Murchhana, Alankar, Alap, Tana. 1.2 Brief study of the following - Gamak, Meend, Kan, krintan, Zamzama, Ghaseet, Sut. Unit 2 2.1 Historical development of Time Theory of Ragas <u>Unit 3</u> 3.1 Detail study of the following	MCQ 1 Marks Each – Qs 8 8 Marks Short Answer Questions 5 Marks Each – Qs 2 10 Marks Long Answer Questions 6 Marks Each – Qs 2 12 Marks

			• Sangeet Ratnakar • Sangeet Parijat 3.2 Life sketch and Contribution of Inayat Khan, Mushtaq Ali Khan, Alauddin Khan <u>Unit 4</u> 4.1 Description of Prescribed Talas along with Tala Notation with Thah, Dugun, Tigun and Chaugun prescribed Talas: Jhaptala & Rupak <u>Unit 5</u> 5.1 Critical study of Prescribed Ragas along with Recognizing Ragas. Phrases of Swaras and elaborating them Bhairav & Bageshri	
		Painting	Unit I 1. The Rajasthan and Pahari Schools of miniature-Paintings . Origin and development Sub school Main features Unit II 1. The Mughal and Decan Schools of Miniature Painting Origin and development Main features Unit III 1. The Bengal School of Painting and the Modern trends in Indian Art * National Flag of India and the Symbolic of its forms and the colours *Origin and development of the Bengal school of painting * Main features of the Bengal school of painting * Appreciation of the following Painting > Journey's End > Shiv and Sati > Radhika > Meghdoot 1. The Modern trends in Indian Art Appreciation of the following contemporary Indian Art Painting · Rama Vanquishing the price of the Ocean · Mother and Child · Haldia Grinder · Mother Teresa Graphic	Multiple Choice: 1Marks each (08 Q.) Short Type Questions 03 Marks each (04Q.) LongType Questions 05 Marks each (02 Q.)
6.	20/12/2025 Saturday	Biology	NCERT BOOK Chapter-1: Sexual Reproduction in Flowering Plants Chapter-2: Human Reproduction Chapter-3: Reproductive Health Chapter-4: Principles of Inheritance and Variation Chapter-5: Molecular Basis of Inheritance Chapter-6: Evolution Chapter-7: Human Health and Diseases Chapter-8: Microbes in Human Welfare Chapter-9: Biotechnology - Principles and Processes Chapter-10: Biotechnology and its Applications Chapter 11 : Organisms and Populations Chapter 12 : Ecosystem d Chapter 13 : Biodiversity and	1. Question 1(12 Multiple choice & 04 Assertion reason) has 16 parts, each worth 1 mark, in Section A. 2. Question 2 (Very short) contains five questions, each worth 2 marks, in Section B. 3. Question 3(Short) contains 7 questions, each worth 3 marks, in Section C. 4. Question 4(case-based) contains two questions, each worth 4 marks, in Section 5. Question 5 (Long answer type)contains three questions, each worth 5 marks, in Section E.

			Conservation	
		Maths	NCERT MATHEMATICS Chapter 1: Relations and Functions Chapter 2: Inverse Trigonometric Functions Chapter 3: Matrices Chapter 4: Determinants Chapter 5: Continuity and Differentiability Chapter 6: Applications of Derivatives Chapter 7: Integrals Chapter 8: Application of Integrals Chapter 9: Differential Equations Chapter 10: Vector Algebra Chapter 11: Three Dimensional Geometry Chapter 12: Linear Programming Chapter 13: Probability	1. Multiple choice questions- 18 (01 mark each) 2. Assertion and reason – 02 (01 mark each) 3. Short question type I- 05 (02 mark each) 4. Short question type II- 06 (03 mark each) 5. Long question – 04 (05 mark each) Case study based question – 03 (04 mark each)

Note: -

- In case the child is medically unfit (fever, headache, stomach ache, etc.), do not send your ward to the school for only giving exams. Please send a medical certificate for the same via WhatsApp (personally)/ mail to the class teacher, and inform the class teacher only.
- There will be regular classes after the exam.
- Duration of Examination is **03 Hrs.**
- There will be **no re-exam.**
- Students must bring their stationery.
- Students must come in a proper main uniform.
- Early dispersal and late arrival will not be allowed.
- For any kind of query, kindly send a message via the almanac or email.
- Only the answer should be written in the answer script with the correct no. of the question.

Class Teacher: -

1. **Mr. Suraj Sharma**

ESTD. 2019