



BIRLA PUBLIC SCHOOL GANGANAGAR

(A UNIT OF BIRLA EDUCATION TRUST PILANI)

Session: 2026-27

Class - XII A



CBSE AFFILIATION NO. 1730974

Syllabus cum Schedule for Mid-Term Examination

Sr. No.	Date & Day	Subject	Syllabus (Chapter No. & Chapter Name)	Typology of questions with marks
1.	07/09/2026 Monday	Computer Science (Pr.)	Ch-1: Python Revision 1 Ch-2: Python Revision 2 Ch-3: Python Functions Ch-4: Exception Handling Ch-7: Computer Network 1 Ch-8: Computer Network 2 Ch-9: DBMS	
		Psychology (Pr.)	PRACTICAL- - Bell's Adjustment Inventory Sinha's Comprehensive Anxiety Test	Psychology Practical 5marks- practical file 5marks- project file 5marks - Viva 15- Administration and conduction of practical. Total-30marks
2.	08/09/2026 Tuesday	Biology (Pr.)	Practical Syllabus 1. Prepare a temporary mount to observe pollen germination. 2. Prepare onion root tip mount to study mitosis. 3. Isolate DNA from plant material (spinach, peas, papaya). 4. Controlled pollination (emasculation, tagging, bagging). Spotting 5. Flowers adapted to pollination by wind, insects, birds. 6. Pollen germination on stigma (permanent slide). 7. Gamete development stages (T.S. of testis & ovary). 8. Meiosis in onion bud cells/grasshopper testis. 9. T.S. of mammalian blastula. 10. Mendelian inheritance using seeds of different colours/sizes. 11. Pedigree charts of genetic traits (tongue rolling, ear lobes, widow's peak, colour blindness). 12. Common disease-causing organisms (Ascaris, Entamoeba, Plasmodium, ringworm fungus). Practical • One Major Experiment (Part A) - 5 marks • One Minor Experiment (Part A) - 4 marks • Slide Preparation (Part A) - 5 marks • Spotting (Part B) - 7 marks • Practical Record + Viva Voce - 4 marks • Project Record + Viva Voce - 5 marks	
		Mathematics (Pr.)	As part of the practical assessment, an MCQ-based Test will be conducted covering Chapters 1 to 9 from the prescribed syllabus. Type of Test: Multiple Choice Questions (MCQ)	
3.	09/09/2026 Wednesday	Chemistry (Pr.)	PRACTICAL SYLLABUS 1. Tests for the functional groups present in organic compounds: unsaturation, alcoholic, phenolic, aldehydic, ketonic, carboxylic and amino (Primary) groups. 2. Characteristic tests of carbohydrates, fats and proteins in pure samples and their detection in given foodstuffs. 3. Determination of concentration/ molarity of KMnO ₄ solution by titrating it against a standard solution of: 4. 1. Oxalic acid, 2. Ferrous Ammonium Sulphate (Students will be required to prepare standard solutions by weighing themselves). Qualitative analysis: Determination of one anion and one cation in a given salt	
4.	10/09/2026 Thursday	English (Pr.)	ASL	Practical 20 Marks
5.	11/09/2026 Friday	Physics (Pr.)	EVALUATION SCHEME: Max. Marks: 30 Topic Two experiments one from each section Practical record (experiment and activities) One activity from any section Investigatory Project Viva on experiments, activities and project Total	Marks 7+7 5 3 3 5 30
6.	12/09/2026 Saturday	Music (Pr.)	Midterms exam 12th class music Syllabus 2026-27 Unit 1.1 Gram Varna Alankar Alaap Taan	Practical (70 Marks) 1. <u>Raag Gat or Composition</u> . (25 marks) Bihaag & Bhairvi

			Unit 1.2 Gamak, meend ,Kan ,Ghaseet Unit 3.1 Sangeet Ratnakar, Sangeet Parijat Unit 4.1 Taal Jhaptaal, Taal Rupak, Taal Tilwada Taal Dhamar. Ekgun , Dugun and Chogun	2. <u>Taal Notation.</u> (15 marks) • Jhaptaal • Roopak 3. Parts and <u>Tuning</u> of <u>Instrument</u> and questions regarding Instrument. (10 marks) 4. <u>Practical file</u> (10 marks) <u>Identifying the Ragas</u> (10 marks)
		Painting (Pr.)	1. Nature/Object Study OR Painting Composition (Medium - Pencil/Watercolor/Poster color/ Acrylic colors 2.Portfolio Assessment	1. Practical Examination - 1 (50 marks) 2. Portfolio Assessment - 20 Marks
7.	15/09/2026 Tuesday	Music (Th.)	Midterms exam 12th class music Syllabus 2026-27 Unit 1.1 Gram Varna Alankar Alaap Taan Unit 1.2 Gamak, meend ,Kan ,Ghaseet Unit 3.1 Sangeet Ratnakar, Sangeet Parijat Unit 4.1 Taal Jhaptaal, Taal Rupak, Taal Tilwada Taal Dhamar. Ekgun , Dugun and Chogun	Theory (30 Marks) <u>Multiple Choice Questions</u> 1 Marks Each - Qs 8 8 Marks <u>Short Answer Questions</u> 5 Marks Each - Qs 2 10 Marks <u>Long Answer Questions</u> 6 Marks Each - Qs 2 12 Marks
		Painting (Th.)	Book Name: - An Introduction To Indian Art (II) Ch.1 Manuscript of Indian Tradition Ch.2 The Rajasthani School Of Paintings Ch.5 Pahari Miniatures Of Paintings	2. Multiple choice questions - 8 (1 marks each) 3. Short answer type questions - 5 (2 marks each) 4. Long answer type questions - 2 (6 marks each)
8.	17/09/2026 Thursday	Chemistry	<u>THEORY SYLLABUS</u> Unit I: Solutions Unit II: Electrochemistry Unit III: Chemical Kinetics Unit VI: Haloalkanes and Haloarenes Unit VII: Alcohols, Phenols and Ethers Unit VIII: Aldehydes, Ketones and Carboxylic Acids	Theory (70 marks) + Practical (30 marks) 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.
9.	19/09/2026 Saturday	Physics	Book Name: Physics Part I Ch.1 (Electric Charges and Fields), Ch.2 (Electrostatic Potential and Capacitance), Ch.3 (Current Electricity) Ch.4 (Moving Charges and Magnetism) Ch.5 (Magnetism and Matter) Book Name: - Physics Part II Ch.3 (Dual Nature of Radiation and Matter) Ch.4 (Atoms) Ch.5 (Nuclei)	Theory (70 marks) + Practical (30 marks) 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.
10.	22/09/2026 Tuesday	Computer Science	Ch-1: Python Revision 1 Ch-2: Python Revision 2 Ch-3: Python Functions Ch-4: Exception Handling Ch-7: Computer Network 1 Ch-8: Computer Network 2 Ch-9: DBMS	1. Section A: Objective Type: Question No. 1-21 (1 mark each) 2. Section B: Question No. 22-28 (2 marks each) 3. Section C: Question No. 29-31 (3 marks each) 4. Section D: Question No. 32-35 (4 marks each) 5. Section E: Question No. 36-37 (5 marks each)
		Psychology	THEORY- Ch-1, Variations in psychological attributes Ch-2, Self and personality Ch-7, Social Influence and Group Processes	- 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 is based on cases given. Answer to each 1 mark question should not exceed 20 words. Answer to each 2 marks question should not exceed 30 words
		Mathematics	NCERT BOOK Chapter 1: Relations and Functions Chapter 2: Inverse Trigonometric Functions Chapter 3: Matrices Chapter 4: Determinants Chapter 5: Continuity and Differentiability Chapter 6: Application of Derivatives Chapter 7: Integrals Chapter 8: Application of Integrals	1. MCQ: There will be 18 questions carrying 1 mark each, for a total of 18 marks. 2. Assertion & Reason (A & R): There will be 2 questions carrying 1 mark each, for a total of 2 marks. 3. Very Short Answer (VSA): There will be 5 questions carrying 2 marks each, for a total of 10 marks. 4. Short Answer (SA): There will be 6 questions carrying 3 marks each, for a total of 18 marks. 5. Long Answer (LA): There will be 4 questions carrying 5 marks each, for a total of 20 marks. 6. Case / Source-Based: There will be 3 questions carrying 4 marks each, for a total of 12 marks. 7. Grand Total: 38 questions carrying a total of 80 marks.
11.	24/09/2026 Thursday	English	I. Reading Comprehension through Unseen Passage 1) Discursive passage 2) Case-based factual passage Composition: Notice Making, Invitations and their Replies, Letter to Editor, Letters for Job Application, Letters to Institutes Literature- Book Name: Flamingo Proses: Ch.1 The Last Lesson Ch.2 Lost Spring (Stories of Stolen Childhood) Ch.3 Deep Water Ch.4 The Rattrap Poems: P.1 My Mother at Sixty-Six P.2 Keeping Quiet P.3 A Thing of Beauty Book Name: Vistas Ch.1 The Third Level Ch.2 The Tiger King Ch.3 Journey to the End of the Earth	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) Section C: Literature (40 marks) 6. One Poetry extract out of two, from the book Flamingo (6x1=6 Marks) 7. One Prose extract out of two, from the book Vistas (4x1=4 Marks) 8. One prose extract out of two from the book Flamingo (6x1=6Marks) 9. Short answer type questions (from Prose and Poetry from the book Flaming. Five questions out of the six given, are to be answered. (5x2=10 Marks) 10. Short answer type questions, from Prose (Vistas) Any two out of three questions to be done. (2x2=4 Marks) 11. One Long answer type question, from Prose/Poetry (Flamingo). Any one out of two questions to be done. (1x5=5 Marks) 12. 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)
12.	26/09/2026 Saturday	Biology	Theory Syllabus 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) Ch-6. (Evolution) Ch-7. (Human Health and Disease) Ch-8. (Microbes in Human Welfare)	Theory (70 marks) + Practical (30 marks) 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.
		Mathematics	NCERT BOOK Chapter 1: Relations and Functions Chapter 2: Inverse Trigonometric Functions Chapter 3: Matrices	1. MCQ: There will be 18 questions carrying 1 mark each, for a total of 18 marks. 2. Assertion & Reason (A & R): There will be 2 questions carrying 1 mark each, for a total of 2 marks. 3. Very Short Answer (VSA): There will be 5 questions

			Chapter 4: Determinants Chapter 5: Continuity and Differentiability Chapter 6: Application of Derivatives Chapter 7: Integrals Chapter 8: Application of Integrals	carrying 2 marks each, for a total of 10 marks. 4. Short Answer (SA): There will be 6 questions carrying 3 marks each, for a total of 18 marks. 5. Long Answer (LA): There will be 4 questions carrying 5 marks each, for a total of 20 marks. 6. Case / Source-Based: There will be 3 questions carrying 4 marks each, for a total of 12 marks. 7. Grand Total: 38 questions carrying a total of 80 marks.
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- Note: -**
- In case the child is medically unfit (fever, headache, stomachache, etc.) do not send your ward to the school for only giving exams. Please send a medical certificate for the same via WhatsApp/ mail to the class teacher and inform the class teacher only.
 - Duration of Examination is **03 Hrs.**
 - There will be **no re-exam.**
 - Early dispersal and late arrival will not be allowed.
 - Students will bring their fruits, lunch, and water bottles.
 - No cardboard is allowed.
 - For any kind of query, kindly send a message via WhatsApp or e-mail.
 - Only the answer should be written in the answer script with the correct no. of the question.

Class Teacher: - 1. Mr. Bhuvna Sandhu (Class teacher XII A)

