CENTRAL MODERN SCHOOL, BARANAGAR
Syllabus for Final Examination, Session : 2025 – 2026
CLASS – XI (SCIENCE)

\# English Language : As per ISC format
[80+20 Marks] (80 Written + 10 Aural + 10 Oral)

\# Literature in English : Macbeth : Act I, Act – II
[80+20 Marks] Prism : A Collection of ISC Short Stories
    1. A Living God ; 2. Advice to Youth ; 3. The Paper Menagerie ;
    4. The Great Automatic Grammatizator ; 5. Thank You, Ma'am
Rhapsody : A Collection of ISC Poems
    1. Abhisara : The Tryst ; 2. Why I Like the Hospital ;
    3. Sonnet 116 ; 4. Death of a Naturalist ; 5. Strange Meeting.
(80 Written + 15 Project + 5 Maintenance of the Exercise Book)

\# Modern English : Pygmalion : Act I, Act II
[80+20 Marks] Prose (Perspectives): 1. Lawley Road ; 2. The Landlady ; 3. Most Beautiful ;
    4. Dream-Children: Reverie ;
    5 Ratan Tata: A Life Settling in at Cornell (An Excerpt)
Poetry (Reflections) : 1. Father Returning Home ; 2. Life Doesn't Frighten Me ;
    3. Sadness Comes ; 4. A Prayer for My Daughter ;
    5. Bora Ring
(80 Written + 15 Project + 5 Maintenance of the Exercise Books)

\# Hindi : SECTION – A (व्याकरण- 40 Marks) – As per ISC syllabus
[80+20 Marks] SECTION – B (गद्य + पद्य + सारा आकाश 40 Marks)
गद्य संकलन – Chaps. 1. पुत्र प्रेम ; 2. गौरी ; 3. शरणागत ; 4. सती ; 5. आउटसाइडर
काव्य मंजरी – Chaps. 1. साखी ; 2. बाललीला ; 3. एक फूल की चाह ;
    4. आ: धरती कितना देती है ; 5. नदी के द्वीप
सारा आकाश – पूर्वाद्धि: साँझ (पाठ-1 से 10 तक)
(80 Written + 15 Project + 5 Maintenance of the Exercise Book)

\# Bengali : **Sec – A** : Grammar- As per ISC format
[80+20 Marks] প্রবন্ধ রচনা, বোধ পরীক্ষণ, বাক্য পরিবর্তন, বিপরীত শব্দ ,
সমার্থ কশব্দ, একই শব্দের ভিন্নার্থে প্রয়োগ
Sec – B :
প্রবন্ধ ও গদ্য সংকলন :-
গদ্য – 1) জোড়াসাঁকোরধারে (Chap - 2) ; 2) অনাচার (Chap - 4)
    3) রেকর্ড (Chap - 5)
কবিতা সংকলন :-
পদ্য – 1) পুব পশ্চিম (Chap - 2) ; 2) বর্ণ পরিচয়(Chap - 4)
    3) সালেমনের মা (Chap - 5)
কোনি – Chapters – 4, 5, 6, 7
(80 Written + 15 Project + 5 Maintenance of the Exercise Book)

\# Applied Mathematics : Chaps. 2. Relation and Functions ; 3. Trigonometry ; 5. Complex Numbers ;
[80+20 Marks]   7. Linear and Quadratic Inequalities ; 8. Permutations and
Combinations ; 9. Binomial Theorem ; 10. Sequences and Series ;
11. Straight Lines ; 12. Circles and Parabola ; 14. Statistics ;
15. Probability ; . Compound Interest and Annuity ; 18. Taxation ;
19. Utility Bills
(80 Written + 15 Project + 5 Maintenance of the Exercise Book)

Mathematics
[80+20 Marks]

: Chaps. 2. Relations and Functions ; 3. Trigonometry ; 4. Complex Numbers ; 5. Quadratic Equations ; 7. Permutations and Combinations ; 8. Binomial Theorem ; 9. Sequences and Series ; 10. Straight Lines ; 11. Circles ; 12. Conic Sections ; 13. Introduction to Three-Dimensional Geometry ; 14. Limits and Derivatives ; 15. Statistics ; 16. Probability

(80 Written + 15 Project + 5 Maintenance of the Exercise Book)

Physics
[70+30 marks]

: 1. Physical World and Measurement ; 2. Kinematics ; 3. Laws of Motion ; 4. Work, Energy and Power ; 5. Motion of System of Particles and Rigid Body ; 6. Gravitation ; 7. Properties of Bulk Matter ; 8. Heat and Thermodynamics ; 9. Behaviour of Perfect Gases and Kinetic Theory of Gases ; 10. Oscillations and Waves

(70 Written + 25 Project and Practical + 5 Maintenance of the Exercise Book)

Chemistry
[70+30 marks]

: 1. Some Basic Concepts of Chemistry ; 2. Structure of Atom ; 3. Classification of Elements and Periodicity in Properties ; 4. Chemical Bonding and Molecular Structure ; 5. Chemical Thermodynamics ; 6. Equlibrium ; 7. Redox Reaction ; 8. Organic Chemistry : Some basic Principles and Techniques ; 9. Hydrocarbons

(70 Written + 25 Project and Practical + 5 Maintenance of the Exercise Book)

Biology
[70+30 marks]

: 1. Cell – The Basic Unit of Life ; 2. Locomotion and Movement ; 3. Excretory products and elimination ; 4. Neural Control and Co-ordination ; 5. Chemical co-ordination and Integration ; 6. Virus ; 7. Photosynthesis ; 8. Morphology of flowering plants ; 9. Biomolecules (Enzyme only) ; 10. Animal kingdom (Vertebrates-Chordates only)

(70 Written + 25 Project and Practical + 5 Maintenance of the Exercise Book)

Computer Science
[70+30 marks]

: Theory : Chaps. 1. Numbers ; 2. Propositional logic ; 3. Logic Gates ; 4. Concepts of data type ; 5. Conditional and Looping Statements ; 6. Recursion ; 7. Single and double dimensional array   ; 8. Methods (Functions) ; 9. Character Handling and String Manipulations

Prac :   1. Single and double dimensional ; 2. Character Handling and String Manipulations

(70 Written + 25 Project and Practical + 5 Maintenance of the Exercise Book)

Artificial Intelligence
[70+30 marks]

: Theory :
Unit 1 :   Basic Concepts of A.I.
Unit 2 :   Introduction and State of Art of A.I., Natural Language processing.
Unit 3 :   Mathematics for A.I.
Unit 4 :   Data Visualization
Unit 5 :   Data Processing
Unit 6 :   Data Modeling
Unit 7 :   Ethical practices in A.I.
Practical : Seaborn, Pandas, Dataframe

(70 Written + 25 Project and Practical + 5 Maintenance of the Exercise Book)

Date : November 24, 2025