

CENTRAL MODERN SCHOOL, BARANAGAR

Syllabus for Final Examination, Session : 2024 – 2025

CLASS – XI (SCIENCE)

- # English – I : As per ISC format
[80+20 Marks] (80 Written + 10 Aural + 5 Oral + 5 Maintenance of Exercise Book)
- # English – II : Macbeth : Act I, Act – II
[80+20 Marks] Prism : 1. A Living God ; 2. Advice to Youth ; 3. The Paper Menagerie ;
4. The Great Automatic Grammatizator ; 5. Thank You, Ma'am
Rhapsody : 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)
- # Hindi : गद्य संचयन- (गद्य + पद्य + सारा आकाश 40 Marks) व्याकरण - 40 Marks
[80+20 Marks] **कविता** - पाठ - 1 (साखी) ; पाठ-2 (बाल लीला) ; पाठ-3 (एक फूल की चाह)
पाठ-4 (आ: धरती कितना देती है) ; पाठ-5 (नदी के द्वीप)
कहानी - पाठ-1 (पुत्र प्रेम) ; पाठ-2 (गौरी) ; पाठ-3 (शरणागत) ; पाठ-4 (सती) ;
पाठ-5 (आउट साइडर)
सारा आकाश – पूर्वाद्ध: साँझ (पाठ - 1 से 10 तक)
व्याकरण : As per as ISC Syllabus
(80 Written + 15 Project + 5 Maintenance of the Exercise Book)
- # Bengali : **Sec – A** : প্রবন্ধরচনা, বোধপরীক্ষণ, Grammar- As per ISC format
[80+20 Marks] **Sec – B** :
প্রবন্ধ ও গদ্য সংকলন :-
গদ্য – 1) জোড়া সাঁকোর ধারে (Chap - 2) ; 2) অনাচার (Chap - 4)
3) রেকর্ড (Chap - 5)
কবিতা সংকলন :-
পদ্য – 1) পূব পশ্চিম (Chap - 2) ; 2) বর্ণ পরিচয় (Chap - 4)
3) সালামেনেরমা (Chap - 5)
কোনি – Chapters – (5, 6, 7)
(80 Written + 15 Project + 5 Maintenance of the Exercise Book)
- # Mathematics : **Sec – A** : Chaps. 1. Sets ; 2. Relations and Functions ; 3. Trigonometry ;
[80+20 Marks] 5. Complex Numbers ; 6. Quadratic Equations ; 8. Permutations
and Combinations ; 10. Sequences and Series ; 11. Straight lines ;
12. Circles ; 14. Statistics ; 15. Probability
Sec – B : Chaps. 1. Conic Sections ;
2. Introduction to Three Dimensional Geometry.
Sec – C : Chaps. 2. Correlation Analysis ;
3. Index Numbers and Moving Averages
(80 Written + 15 Project + 5 Maintenance of the Exercise Book)
- # Physics : 1. Physical World and Measurement ; 2. Kinematics ; 3. Laws of Motion ;
[70+30 marks] 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 : 1. Some Basic Concepts of Chemistry ; 2. Structure of Atom ;
 [70+30 marks] 3. Classification of Elements and Periodicity in Properties ;
 4. Chemical Bonding and Molecular Structure ; 5. Chemical Thermodynamics ;
 6. Equilibrium ; 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 : 1. Cell-Basic Unit Of Life ; 2. Locomotion and Movement ;
 [70+30 marks] 3. Neural Control and Co-ordination ; 4. Chemical co-ordination and
 Integration ; 5. Photosynthesis ; 6. Animal kingdom ;
 7. Excretory products and elimination ; 8. Breathing and exchange of gases ;
 9. Biomolecules ; 10. Cell cycle and cell division ;
 11. Morphology of flowering plants.
 (70 Written + 25 Project and Practical + 5 Maintenance of the Exercise Book)
- # Computer Science : Theory : Chaps. 1. Numbers ; 2. Encodings ; 3. Propositional logic, Hardware
 [70+30 marks] implementation, Arithmetic operations ; 4. Introduction to JAVA
 Language ; 5. Concept of Date type ; 6. Operators and Expressions ;
 7. Conditional and Looping Statements ; 8. Character Handling and
 String Manipulations ; 9. Arrays (Single and double dimensional) ;
 10. Methods and Constructors ; 12. Recursion ; 13. Implementation
 of Algorithms to solve Problems ; 14. Trends in Computing and
 Ethical Issues.
 Prac : Chaps. 8. Character Handling and String Manipulations ; 9. Arrays
 (Single and double dimensional) ; 10. Methods and Constructors ;
 12. Recursion.
 (70 Written + 25 Project and Practical + 5 Maintenance of the Exercise Book)

- Final Examinations begin on February 12, 2025 (tentatively).

Date : December 20, 2024