

**THE MODERN SCHOOL, ECNCR DELHI**  
**SESSION 2023-24**  
**CLASS – S7 (MEDICAL & NON-MEDICAL)**  
**SYLLABUS OF PRE BOARD-1 EXAMINATION**



**Circular No: TMSECNCR/2023-24/27(ii)(a)**

**Date: November 28,2023**

Dear Parent

This is to inform you that Pre Board-1 Examination are beginning from **December 14,2023 i.e. Thursday**. Syllabus and Date sheet for the same is attached below for your reference.

Regards  
 Examination Department

## SYLLABUS

### ENGLISH

<b>Reading</b> Comprehension Passages (2) <b>Writing:</b> 1. Notice Writing 2. Formal and Informal Invitation and Replies 3. Formal Letter 4. Article Writing 5. Report Writing <b>Vistas</b> L-1 The Third Level L-2 The Tiger King L-3 Journey to the End of the Earth L-4 The Enemy L-5 On the Face of It L-6 Memories of Childhood	<b>Literature</b> <b>Flamingo</b> L-1 The Last Lesson L-2 Lost Spring L-3 Deep Water L-4 The Rattrap L-5 Indigo L-6 Poets and Pancakes L-7 The Interview L-8 Going Places <b>Poems</b> 1. My Mother at Sixty six 2. Keeping Quiet 3. A Thing of Beauty 4. A Roadside Stand 5. Aunt Jennifer's Tigers
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### PHYSICS

1. Electric Charges and Fields 2. Electrostatic Potential and Capacitance 3. Current Electricity 4. Moving Charges and Magnetism 5. Magnetism and Matter 6. Electromagnetic Induction 7. Alternating Current	8. Electromagnetic Waves 9. Ray Optics and Optical Instruments 10. Wave Optics 11. Dual Nature of Radiation and Matter 12. Atoms 13. Nuclei 14. Semiconductor Electronics: Materials, Devices and Simple Circuits
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### CHEMISTRY

1. Solutions 2. Electrochemistry 3. Chemical Kinetics 4. d-and f-block Elements 5. Coordination Compounds	6. Haloalkanes and Haloarenes 7. Alcohols, Phenols and Ethers 8. Aldehydes, Ketones and Carboxylic Acids 9. Amines 10. Biomolecules
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## **ECONOMICS**

### **Section-A (Introductory Macroeconomics)**

1. Circular Flow of National Income
2. Basic Concepts of Macroeconomics
3. Aggregates of National Income
4. Measurement of National Income
5. Money
6. Banking
7. Aggregate demand and Related Concepts
8. Income determination and Multiplier
9. Excess Demand and Deficient Demand
10. Government Budget and the Economy
11. Foreign Exchange Rate
12. Balance of Payments

### **Section-B (Indian Economic Development)**

1. Indian Economy on the eve of Independence
2. India Economy (1950-1990)
3. Liberalization, Privatization and Globalization: An Appraisal
4. Human Capital Formation
5. Rural Development
6. Employment: Growth, Informalisation and other issues
7. Environment and Sustainable Development
8. Comparative Development Experiences of India and its Neighbours

## **MATHEMATICS**

- 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: Applications of Integrals  
Chapter – 9: Differential Equations  
Chapter – 10: Vector Algebra  
Chapter – 11: Three Dimensional geometry  
Chapter – 12: Linear Programming  
Chapter – 13: Probability

## **PHYSICAL EDUCATION**

- Chapter-1 Management of Sports Events  
Chapter-2 Children and Women in Sports  
Chapter-3 Yoga as Preventive measure for Lifestyle disease  
Chapter -4 Physical Education & Sports for (CWSN)  
Chapter -5 Sports & Nutrition  
Chapter -6 Test and Measurement in Sports  
Chapter -7 Physiology and Injuries in Sports  
Chapter- 8 Biomechanics and Sports  
Chapter -9 Psychology and Sports  
Chapter – 10 Training in Sports

## **BIOLOGY**

1. Sexual Reproduction in Flowering Plants
2. Human Reproduction
3. Reproductive Health
4. Principles of Inheritance and Variation
5. Molecular Basis of Inheritance
6. Evolution
7. Human Health and Diseases
8. Microbes in Human Welfare
9. Biotechnology: Principles and Processes
10. Biotechnology and its Applications
11. Organisms and Populations
12. Ecosystem
13. Biodiversity and Conservation

## **COMPUTER SCIENCE**

Unit I: Computational Thinking and Programming – 2

Unit II: Computer Networks

Unit III: Database Management

## **DATESHEET OF PRE BOARD-1 EXAMINATION**

<b>DATE</b>	<b>DAY</b>	<b>S7(MED&amp;NON MED)</b>
14.12.2023	THURSDAY	CHEMISTRY
16.12.2023	SATURDAY	ENGLISH
18.12.2023	MONDAY	PHYSICS
20.12.2023	WEDNESDAY	ECO/BIO/CS
22.12.2023	FRIDAY	MATH
23.12.2023	SATURDAY	PHE

### ***Please Note:***

1. There will be Preparatory Leave on non exam day.
2. PTM will be on December 29, 2023.