Miazya 12 – Sene 15, 2018 E.C. (64 Days)

This plan covers **English, Mathematics, Economics, History, Geography, and Aptitude (SAT)**. Each study day includes two subjects. Follow the daily order strictly:

1. **Watch** the video lesson for the topic.
2. **Read** the notes provided.
3. **Solve** the worksheet questions.
4. **Practice** with ESSLCE past questions (2014–2017).

After every **6 study days** there is a **Revision Day**. Two **Model Exams** are included at the halfway point and at the end.

🔄 Daily Rotation Pattern

Day Type	Subject 1	Subject 2
Day A	English	Mathematics
Day B	Physics	Chemistry
Day C	Biology	Aptitude

📖 Block 1 – Cycles 1 & 2 (6 Study Days) → Revision 1

Date	Day	Subject 1 & Topic	Subject 2 & Topic
Miazya 12	Mon	**English** – Lesson 1: Parts of Speech	**Mathematics** – Ch 1: Number System
Miazya 13	Tue	**Physics** – Ch 1: Application of Physics	**Chemistry** – Ch 1: Atomic Structure
Miazya 14	Wed	**Biology** – Ch 1: Concept of Biology & Biotechnology	**Aptitude** – Lesson 1: Classification & Analogy
Miazya 15	Thu	**English** – Lesson 2: Subject- Verb Agreement	**Mathematics** – Ch 2: Solving Equations
Miazya 16	Fri	**Physics** – Ch 2: Vectors	**Chemistry** – Ch 2: Chemical Bonding

Date	Day	Subject 1 & Topic	Subject 2 & Topic
Miazya 17	Sat	**Biology** – Ch 2: Cell Biology	**Aptitude** – Lesson 2: Analytical & Logical Reasoning

📌 **Miazya 18 (Sun) – Revision Day 1**

📖 **Block 2 – Cycles 3 & 4 (6 Study Days) → Revision 2**

Date	Day	Subject 1 & Topic	Subject 2 & Topic
Miazya 19	Mon	**English** – Lesson 3: Tenses (all forms)	**Mathematics** – Ch 3 **Part 1**: Relations (definition, types, domain/range)
Miazya 20	Tue	**Physics** – Ch 3 **Part 1**: Position, Distance, Displacement, Speed, Velocity	**Chemistry** – Ch 3 **Part 1**: Chemical Equations, Laws, Balancing
Miazya 21	Wed	**Biology** – Ch 3 **Part 1**: Characteristics of Life, Taxonomy, Nomenclature	**Aptitude** – Lesson 3: Antonyms & Synonyms
Miazya 22	Thu	**English** – Lesson 4: Active & Passive Voice	**Mathematics** – Ch 3 **Part 2**: Functions (definition, notation, types)
Miazya 23	Fri	**Physics** – Ch 3 **Part 2**: Acceleration, Equations of Motion, Graphs	**Chemistry** – Ch 3 **Part 2**: Energy changes, Reaction rates
Miazya 24	Sat	**Biology** – Ch 3 **Part 2**: Kingdom Systems, Plant Characteristics & Structure	**Aptitude** – Lesson 4: Reading Comprehension

📌 **Miazya 25 (Sun) – Revision Day 2**

📖 **Block 3 – Cycles 5 & 6 (6 Study Days) → Revision 3**

Date	Day	Subject 1 & Topic	Subject 2 & Topic

Date	Day	Subject 1 & Topic	Subject 2 & Topic
Miazya 26	Mon	**English** – Lesson 5: Conditionals & Expressing Regret	**Mathematics** – Ch 3 **Part 3**: Types of functions (linear, quadratic, exponential, logarithmic)
Miazya 27	Tue	**Physics** – Ch 3 **Part 3**: Vertical Motion, Projectile Motion, Circular Motion	**Chemistry** – Ch 4 **Part 1**: Kinetic Theory, Gas Laws (Boyle, Charles, Avogadro)
Miazya 28	Wed	**Biology** – Ch 3 **Part 3**: Plant Reproduction, Pollination, Seeds, Germination	**Aptitude** – Lesson 5: Number System (Aptitude)
Miazya 29	Thu	**English** – Lesson 6: Inversion	**Mathematics** – Ch 4: Set Theory
Miazya 30	Fri	**Physics** – Ch 4 **Part 1**: Force, Newton's Laws, Friction	**Chemistry** – Ch 4 **Part 2**: Liquid & Solid States, Phase Transitions
Genbot 1	Sat	**Biology** – Ch 3 **Part 4**: Animal Characteristics, Invertebrates, Vertebrates	**Aptitude** – Lesson 6: Basic Math Concepts for SAT

📌 **Genbot 2 (Sun) – Revision Day 3**

📖 **Block 4 – Cycles 7 & 8 (6 Study Days) → Revision 4 → First Model Exam**

Date	Day	Subject 1 & Topic	Subject 2 & Topic
Genbot 3	Mon	**English** – Lesson 7: Particles	**Mathematics** – Ch 5 **Part 1**: Lines, Angles, Triangles
Genbot 4	Tue	**Physics** – Ch 4 **Part 2**: Momentum, Impulse, Collisions	**Chemistry** – Ch 5: Chemical Equilibrium (all)
Genbot	Wed	**Biology** – Ch 4 **Part 1**: Biochemical	**Aptitude** – Lesson 7: Probability

Date	Day	Subject 1 & Topic	Subject 2 & Topic
5		Molecules (Organic & Inorganic)	
Genbot 6	Thu	**English** – Lesson 8: Types of Questions	**Mathematics** – Ch 5 **Part 2**: Circles, Area, Volume, Surface Area
Genbot 7	Fri	**Physics** – Ch 4 **Part 3**: Work, Energy, Power, Rotational Motion	**Chemistry** – Ch 6: Solutions (Types, Concentration, Preparation)
Genbot 8	Sat	**Biology** – Ch 4 **Part 2**: Nutrition, Digestive & Respiratory Systems	**Aptitude** – Lesson 8: Sequence & Series

📌 **Genbot 9 (Sun) – Revision Day 4**

📖 **First Round Model Exam (Half- Content)**

Date	Day	Exam
Genbot 10	Mon	**Model Exam – Day 1** (English, Mathematics, Aptitude)
Genbot 11	Tue	**Model Exam – Day 2** (Physics, Chemistry, Biology)

📖 **Block 5 – Cycles 9 & 10 (6 Study Days) → Revision 5**

Date	Day	Subject 1 & Topic	Subject 2 & Topic
Genbot 12	Wed	**English** – Lesson 9: Quantifiers	**Mathematics** – Ch 6: Coordinate Geometry
Genbot 13	Thu	**Physics** – Ch 5: Simple Machines	**Chemistry** – Ch 7 **Part 1**: Oxides, Acids, Bases, Salts
Genbot 14	Fri	**Biology** – Ch 4 **Part 3**: Circulatory, Nervous & Endocrine Systems	**Aptitude** – Lesson 9: Time/Age Problems & Business Math
Genbot 15	Sat	**English** – Lesson 10: Gerund & Infinitive	**Mathematics** – Ch 7: Matrices & Determinant

Date	Day	Subject 1 & Topic	Subject 2 & Topic
Genbot 16	Sun	**Physics** – Ch 6: Temperature & Thermometry	**Chemistry** – Ch 7 **Part 2**: Acid- Base Equilibrium, Buffers, Titrations
Genbot 17	Mon	**Biology** – Ch 4 **Part 4**: Reproductive System, Sense Organs	**Aptitude** – Lesson 10: Equations, Inequalities, Functions

📌 **Genbot 18 (Tue) – Revision Day 5**

📖 **Block 6 – Cycles 11 & 12 (6 Study Days) → Revision 6**

Date	Day	Subject 1 & Topic	Subject 2 & Topic
Genbot 19	Wed	**English** – Lesson 11: Comparison	**Mathematics** – Ch 8 **Part 1**: Vectors (definition, addition, subtraction)
Genbot 20	Thu	**Physics** – Ch 8 **Part 1**: Pressure, Pascal's Principle, Atmospheric Pressure	**Chemistry** – Ch 8 **Part 1**: Hydrocarbons (classification, naming, properties)
Genbot 21	Fri	**Biology** – Ch 5 **Part 1**: Bacteria & Archaea (structure, reproduction, nutrition)	**Aptitude** – Lesson 11: Geometry, Trigonometry, Calendar
Genbot 22	Sat	**English** – Lesson 12A: Collocations (in case/if, make/do, as/like, make/let)	**Mathematics** – Ch 8 **Part 2**: Transformation of plane
Genbot 23	Sun	**Physics** – Ch 8 **Part 2**: Archimedes' Principle, Fluid Dynamics, Bernoulli	**Chemistry** – Ch 8 **Part 2**: Alcohols, Ethers, Aldehydes, Ketones, Carboxylic Acids
Genbot 24	Mon	**Biology** – Ch 5 **Part 2**: Fungi, Protozoa, Viruses, Disease Transmission	**Aptitude** – Lesson 12: Data Interpretation

📌 **Genbot 25 (Tue) – Revision Day 6**

📖 **Block 7 – Cycles 13 & 14 (6 Study Days) → Revision 7**

Date	Day	Subject 1 & Topic	Subject 2 & Topic
Genbot 26	Wed	**English** – Lesson 12B: Collocations (reported speech, modals, articles)	**Mathematics** – Ch 9 **Part 1**: Descriptive statistics, data presentation
Genbot 27	Thu	**Physics** – Ch 9 **Part 1**: Wave characteristics, Sound waves, Superposition	**Chemistry** – Ch 9: Polymers
Genbot 28	Fri	**Biology** – Ch 6 **Part 1**: DNA/RNA structure, Replication, Protein Synthesis	**Aptitude** – Lesson 13: Quantitative Comparisons
Genbot 29	Sat	**English** – Communication Part 1 (Greetings, Time, Directions, Permission, Help)	**Mathematics** – Ch 9 **Part 2**: Probability rules, combined probability
Genbot 30	Sun	**Physics** – Ch 9 **Part 2**: EM Waves, Reflection & Refraction, Mirrors	**Chemistry** – Ch 10: Electrochemistry
Sene 1	Mon	**Biology** – Ch 6 **Part 2**: Mendelian Genetics, Monohybrid & Dihybrid Crosses	**Aptitude** – Revision / Practice

📌 **Sene 2 (Tue) – Revision Day 7**

📖 **Block 8 – Cycles 15 & 16 (6 Study Days) → Revision 8**

Date	Day	Subject 1 & Topic	Subject 2 & Topic
Sene 3	Wed	**English** – Communication Part 2 (Restaurant, Hospital, Shopping)	**Mathematics** – Ch 9 **Part 3**: Advanced probability, ESSLCE practice
Sene	Thu	**Physics** – Ch 9 **Part 3**: Lenses,	**Chemistry** – Ch 11: Metals &

Date	Day	Subject 1 & Topic	Subject 2 & Topic
4		Optical Instruments, Human Eye	Nonmetals Production
Sene 5	Fri	**Biology** – Ch 6 **Part 3**: Non- Mendelian Inheritance, Sex- linkage, Pedigree	**Aptitude** – Revision / Practice
Sene 6	Sat	**English** – Writing Section (Letter, Paragraph, Spelling, Punctuation)	**Mathematics** – Ch 10: Sequence & Series
Sene 7	Sun	**Physics** – Ch 10 **Part 1**: Electrostatics, Coulomb's Law, Electric Field	**Chemistry** – Ch 12 **Part 1**: Natural Resources, Manufacturing of Ammonia, Nitric Acid
Sene 8	Mon	**Biology** – Ch 7 **Part 1**: Ecology terms, Food chains, Energy flow, Succession	**Aptitude** – Revision / Practice

📌 **Sene 9 (Tue) – Revision Day 8**

📖 **Block 9 – Cycle 17 (Final 3 Study Days) → Final Revision → Second Model Exam**

Date	Day	Subject 1 & Topic	Subject 2 & Topic
Sene 10	Wed	**English** – Comprehension (Reading Passage, Vocabulary)	**Mathematics** – Ch 11 **Part 1**: Limits & Continuity
Sene 11	Thu	**Physics** – Ch 10 **Part 2**: Electric Circuits, Ohm's Law, Resistors	**Chemistry** – Ch 12 **Part 2**: Sulphuric Acid, Fertilizers, Ethiopian Industries
Sene 12	Fri	**Biology** – Ch 7 **Part 2**: Population dynamics, Climate Change, Conservation	**Aptitude** – Revision / Practice

📌 **Sene 13 (Sat) – Comprehensive Revision Day 9**

- **Mathematics** – Ch 11 **Part 2 & 3** (Differentiation & Integration)
- **Biology** – Ch 7 **Part 3**, Ch 8 (Enzymes), Ch 9 (Energy Transformation), Ch 10 (Evolution)

- **Physics** – Ch 11 (Electromagnetism), Ch 12 (Electronics), Ch 13 (Nuclear Physics)
- **Chemistry** – Ch 13 (Environmental Chemistry)
- **Second Round Model Exam (Second half Content)**

Date	Day	Exam
Sene 14	Sun	**Final Model Exam – Day 1** (English, Mathematics, Aptitude)
Sene 15	Mon	**Final Model Exam – Day 2** (Physics, Chemistry, Biology)