6 1

Group X Syllabus

ENGLISH

- 1. Comprehension-A small passage followed by questions.
 - 1. To judge comprehension
 - 2. Drawing of inferences
 - 3. Use of vocabulary

2. Composition

- 1. Agreement of subject with verb
- 2. Pattern of verb and their use.
- 3. Sequence of tenses.
- 4. Transformation of sequences-Compound, Complex, Simple, Negative, Affirmative.

3. Grammar

- 1. Spellings
- 2. Word formation
- 3. Antonyms and Synonyms
- 4. One word substitution
- 5. Correct usage of articles, Prepositions, adjectives-degrees of comparison, conjunctions, Nouns and Pronouns and numbers (Singular-Plural)
- 6. Words, which are commonly getting confused
- 7. Word order
- 8. Correct usage of Adverbs

4. Idioms and Phrases

1. Use of simple idioms

- 2. Use of Common proverbs
- 5. Direct/Indirect sentences
 Narration change
 - 1. Change of various types of sentences from direct to indirect form
 - 2. Change of various types of sentences from indirect to direct form

6. Active and Passive Voices

- 1. Change of all types of sentences from active to passive form
- 2. Change of all types of sentences from passive to active form

PHYSICS-

- 1. Physical World & Measurement
- 2. Kinematics
- 3. Laws of Motion
- 4. Work, Energy & Power
- 5. Motion of System of particles & Rigid Body
- 6. Gravitation
- 7. Properties of Bulk Matter
- 8. Thermodynamics
- 9. Behaviour of Perfect Gas & Kinetic Theory of gases
- 10. Oscillations & Waves
- 11. Electrostatics
- 12. Current Electricity

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for- IAS/PSC/BANK/SSC/SI/RAILWAY/CPO/CDS/NDA/NET/VYAPAM & Other Competitive Exams

- 13. Magnetic effect of current & Magnetism
- 14. Electromagnetic Induction and Alternating current
- 15. Electromagnetic Waves
- 16. Optics
- 17. Dual Nature of Matter
- 18. Atoms and Nuclei
- 19. Electronic Devices
- 20. Communication Systems

- 19. Definite Integrals
- 20. Application of Integration
- 21. Deferential Equations
- 22. Probability Statistics

Group Y Syllabus

ENGLISH

Same as Group X.

RAGA

- (A) Reasoning (Verbal and Non-Verbal)
 - 1. Numerical Series
 - 2. Distance and Direction Sense Test
 - 3. Mathematical Operations (Assigning Value to Arithmetic Sign)
 - 4. Number Ranking & Time Sequence Test
 - 5. Assign Artificial Values to Mathematical Digit
 - 6. Inserting Correct Mathematical Digit
 - 7. Human Relation
 - 8. Coding and Decoding
 - 9. Odd Man Out
 - 10. Mutual Relation Problem
 - 11. Tallest Youngest Relation
 - 12. Dictionary Words
 - 13. Analogy

MATHEMATICS-

- 1. Sets, Relations, functions
- 2. Trigonometric functions
- 3. Inverse Trigonometric functions
- 4. Complex Numbers
- 5. Quadratic Equations
- 6. Sequence & Series (AP & GP)
- 7. Permutation
- 8. Combination
- 9. Binomial Theorem
- 10. Coordinate geometry Straight line, Circles, Parabola, Ellipse, Hyperbola
- 11. Exponential Series
- 12. Logarithmic Series
- 13. Matrices
- 14. Determinants
- 15. Limit & Continuity
- 16. Differentiation
- 17. Application of Differentiation
- 18. Indefinite Integrals

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- 14. Non Verbal Reasoning
- 15. Number Coding
- 16. Number Puzzle

(B) Mathematics

- 1.Ratio and proportion
- 2. Average
- 3. LCM, HCF
- 4. Profit and Loss
- 5. Time, Distance and Speed
- 6. Percentage
- 7. Simplification of Numbers
- 8. Fraction
- 9. Area of Triangle, Square and Rectangle
 - 10. Surface area and Volume of Cuboid, Cylinder, Cone and sphere
 - 11. Probability
 - 12. Simple Trigonometry

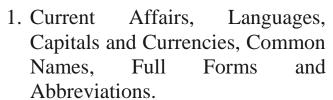
(C) GK and CA

- 1. General Science
- 2. Civics
- 3. Geography
- 4. Current Events
- 5. History
- 6. Basic Computer Operation

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- 2. Eminent Personalities, National: Bird/Animal/Sport/Flower/Anthe m/ Song/Flag/Monuments.
- 3. Sports Championships Terms/ Number Winners/ of Players.



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