

APPENDIX- IV

SYLLABUS FOR THE PREUMINARY EXAMINATION

PAPER - I (200 Marks) Duration: Two hours

- Current events of national and international importance
- History of India and Indian National Movement
- Indian and World geography: Physical, Social and Economic geography of India and the World.
- Indian Polity and governance: Constitution, Political System, Panchayati Raj, Public Policy, Rights issues etc.
- Economic and Social Development: Sustainable Development Poverty Inclusion, Demographics, Social Sector Initiatives, etc.
- General issues on Environmental ecology, Bio-Diversity and climate change- that do not require subject specialization
- General Science

Paper II (200 Marks) Duration: Two hours

- Comprehension
- Interpersonal skills including communication skills
- Logical reasoning and analytical ability
- Decision making and problem solving
- General mental ability
- Elementary mathematics up to class X level- Arithmetic, Algebra, Geometry and statistics
- General English up to class X level
- General Hindi up to class X level

Current events of national and international importance: On current events of national and international importance, candidates will be expected to have knowledge about them

History of India and Indian National Movement: In history emphasis should be on broad understanding of social, economic and political aspects of Indian history. In the Indian national movement, the candidates are expected to have synoptic view of nature and character of the freedom movement, growth of nationalism and attainment of independence.

Indian and World Geography – Physical, Social, Economic geography of India and the world: In world geography only general understanding of the subject will be expected. Questions on the Geography of India will relate to Physical, Social & Economic geography of India.

Indian Polity and governance: Constitution, Political System, Panchayati Raj, Public Policy, Rights issues etc.: In Indian polity, Economics and culture, questions will test knowledge of country's political system including Panchayati Raj and community development, broad features of economic policy in India and Indian culture.

Economic and Social Development: Sustainable Development Poverty Inclusion, Demographics, Social Sector Initiatives, etc. The candidates will be tested with respect to problems and relationship between Population, Environment and Urbanization.

General issues on Environmental ecology, Bio-Diversity and climate change: that do not require subject specialization, general awareness of the subject is expected from candidates

General Science: Questions on general science will cover general appreciation and understanding of science including matters of every day observation and experience as may be expected of a well-educated person who has not made a special study of any scientific discipline.

Note:- Candidates are expected to have general awareness about the above subjects with special reference to Uttar Pradesh

Elementary Mathematics (UP TO Class X Level)

Arithmetic:

- Numbers system: Natural numbers, Integers, Rational and irrational numbers, Real numbers, Divisors of an integer, prime integers, LCM and HCF of integers and their inter relationships
- Average
- Ratio and proportion
- Percentage
- Profit & Loss
- Simple and compound interests
- Work and time
- Speed, Time and Distance

Algebra:

- Factors of polynomials, LCM and HCF of polynomials and their interrelationship, remainder theorem, simultaneous linear equations, quadratic equations
- Set theory: Set, null Set, subsets and proper subsets of a set, operations (Union, intersections, difference, symmetric difference) between sets, Venn-Diagram

Geometry:

- Construction of theorems regarding triangle, rectangle, square, trapezium and circles, Their perimeter and area
- Volume and surface area of sphere, right circular cylinder, right circular cone and cube

Statistics:

- Collection of data, classification of data, frequency, frequency distribution, tabulation, cumulative frequency.
- Representation of data, bar diagram, Pie Chart, Histogram, frequency polygon, cumulative frequency curves (Ogive), measurements of central tendency: Arithmetic mean, median and mode

General English up to Class X Level

1. Comprehension
2. Active voice and Passive voice
3. Parts of Speech
4. Transformation of Sentences
5. Direct and Indirect speech
6. Punctuation and Spellings
7. Words meanings
8. Vocabulary and Usage
9. Idioms and Phrases
10. Fill in the Blanks

सामान्य हिन्दी (हाईस्कूल स्तर तक) के पाठ्यक्रम में सम्मिलित किये जाने वाले विषय

- (१) हिन्दी वर्णमाला, विराम चिन्ह
- (२) शब्द रचना, वाक्य रचना, अर्थ
- (३) शब्द-रूप
- (४) संधि, समास
- (५) क्रियायें
- (६) अनेकार्थी शब्द
- (७) विलोम शब्द
- (८) पर्यायवाची शब्द
- (९) मुहावरे एवं लोकोक्तियाँ
- (१०) तत्सम एवं तद्भव, देशज, विदेशी (शब्द भंडार)
- (१२) वर्तनी
- (१३) अर्थबोध
- (१४) हिन्दी भाषा के प्रयोग में होने वाली अशुद्धियाँ
- (१५) उ०प्र० की मुख्य बोलियाँ