

Preliminary exam syllabus

General Studies (Paper – I)

Current events of national and international importance: Candidates will have to be aware of current events of national and international importance.

History of India and Indian National Movement: Under history, special attention will be given to comprehensive information about social, economic and political aspects of Indian history.

On the Indian National Movement, general knowledge is expected from the candidates about the nature and characteristics of the freedom movement, the rise of nationalism and attainment of independence.

Geography of India and the World: Physical, Social, Economic Geography of India and the World: Only general knowledge of the subject will be tested in World Geography.

Under Geography of India, there will be questions related to physical, social and economic geography of the country.

Indian Politics and Governance - Constitution, Political System, Panchayati Raj, Public Policy, Official Issues etc.: Knowledge of the political system of the country including Panchayati Raj and community development under Indian Polity, Economy and Culture and broad features of India's economic policy and Indian politics. There will be questions on cultural information. Economic and

Social Development - Sustainable Development, Poverty related Demographics, Social Sector Initiatives etc.: Candidates' knowledge will be tested in the context of the problems of population, environment and urbanization and their relationships.

General topics related to environment and ecology, biodiversity and climate change: No subject specialization is required in this subject. General knowledge of the subject is expected from the candidates.

General Science: Questions on General Science will be based on the general understanding and knowledge of science including subjects related to daily experience and observation, which can be expected from any well-educated person who has not made any special study of scientific subjects.

Note: Candidates will be expected to have general knowledge of the above mentioned subjects in the special context of Uttar Pradesh.

General Studies (Paper – II)

- Comprehension (elaboration).
- Interpersonal competence which will also include communication skills.
- Logical and analytical ability.
- Decision making ability and problem solving.
- General intellectual ability.

- Elementary Mathematics up to high school level – Arithmetic, Algebra, Geometry and Statistics.
- General English up to high school level.
- General Hindi up to high school level.

Topics covered in the curriculum of elementary mathematics (up to high school level)

1. Arithmetic

(i) Number system: Natural, integer, rational-irrational and real numbers, divisors of integer numbers and indivisible integer numbers. Least common multiple and greatest common multiple of integer numbers and relations between them.

(ii) Average.

(iii) Ratio and proportion.

(iv) Percentage.

(v) Profit and loss.

(vi) Interest-simple and compound.

(vii) Work and time.

(viii) Speed, time and distance.

2. Algebra

(i) Factors of polynomials, least common multiple and greatest common multiple of polynomials and relations between them, remainder theorem, simple simultaneous equations, quadratic equations.

(ii) Set theory: Sets, subsets, proper subsets, empty set, operations between sets (union, intersection, difference, symmetric difference), Venn-diagrams.

3. Geometry

(i) Theorems related to the construction and properties of triangle, rectangle, square, trapezium and circle and their perimeter and their area.

(ii) Volume and surface area of sphere, right angled circular cylinder, right angled circular cone and cube.

4. Statistics: Collection of data, classification of data, frequency, frequency distribution, tabulation, cumulative frequency, representation of data, bar chart, pie chart, histogram, frequency polygon, cumulative frequency curve, measure of central tendency – arithmetic mean, median. And polymer.

General English Upto Class X Level

Comprehension Active Voice and Passive Voice Parts of Speech Transformation of Sentences Direct and Indirect Speech Punctuation and Spellings Words & Meanings Vocabulary & Usage Idioms and Phrases Fill in the Blanks

Subjects to be included in the syllabus of General Hindi (up to high school level)

- (1) Hindi alphabet, punctuation marks
- (2) Word composition, syntax, meaning
- (3) word form
- (4) Sandhi, Samas
- (5) actions
- (6) polysemous words
- (7) Antonyms
- (8) synonyms
- (9) Idioms and proverbs
- (10) Tatsam and Tadbhav, native, foreign (vocabulary)
- (11) spelling
- (12) sense of meaning
- (13) Errors in the use of Hindi language
- (14) Main dialects of Uttar Pradesh