

EXPECTED TOPIC WISE

SYLLABUS

1. **General awareness/General knowledge**
2. **Knowledge of elementary mathematics**
3. **Understanding and usage of IT
(Basics computer knowledge)**
4. **Analytical Aptitude**
5. **Ability to observe and distinguish patterns**
6. **Basic knowledge in English**



GENERAL AWARENESS AND CURRENT AFFAIRS

IT INCLUDES STATIC PORTION + CURRENT AFFAIRS ETC

GENERAL KNOWLEDGE

Physics	Chemistry	Biology
Current Events	Polity	History
Geography	Defence Knowledge	Economics

STATIC AWARENESS

- All About the Current Cabine Ministers
- Indian States and its Capital
- Current Chief Ministers of the States in India
- The Current Governors of the States in India
- List of Government Schemes
- List of National Parks of India
- Wildlife Sanctuaries in India
- Public Sector Banks in India
- Banking and Financial Abbreviations
- Indian Cities located on Rivers
- Indian State and its Folk Dances
- Dams in India
- Awards & Recognition
- List of Exercises of the Indian Army
- Festival in India
- First in India (Male)
- First in India (Female)
- List of largest longest Highest in the world
- List of longest largest Highest Smallest in India
- Organisation in India

- Hydroelectric Power Plants in India
- Thermal Power Plants in India
- Nuclear Power Plants in India
- Research Centres of India
- Nuclear & Space Research Centres in India
- Health and Medicinal Research Centres in India
- Solar Power Plant in India
- Stadiums in India
- Stadium in World
- Ports in India
- India's World Heritage Site (Included in UNESCO's list)
- Intelligence Detective Agencies of the World
- International Airport
- International Boundaries
- Capitals & Currencies of Different Countries
- International Summits
- Important Days observed in the World
- Important Financial, Economics & Budget Terms

Elementary Mathematics

ARITHMETIC

- Number system-Natural numbers
 - Integers
 - Rational and Real numbers
 - Fundamental operations
 - Addition
 - Subtraction
 - Multiplication
 - Division
 - Square Roots
 - Decimal fraction
 - Unitary Method
 - Time and Distance
 - Time and Work
-
- Percentages
 - Applications to Simple and Compound Interest

- Profit and Loss
- Ratio and Proportion
- Variation
- Elementary Number Theory-Division Algorithm
- Prime and Composite numbers
- Test of Divisibility by 2, 3, 4, 5, 9 and 11
- Multiples and Factors
- Factorisation Theorem
- H.C.F and L.C.M
- Euclidean Alogrithm
- Logarithms to base 10
- Laws of Logarithms
- Use of Logarithmic tables

ALGEBRA

- Basic Operations
- Simple Factors
- Remainder Theorem
- H.C.F
- L.C.F
- Theory of polynomials
- Solutions of quadratic equations
- Relation between its roots and coefficients (Only real roots to be considered)
- Simultaneous linear equations in two unknowns- analytical and graphical solutions
- Simultaneous linear inequations in two variables and their solutions
- Practical problems leading to two simultaneous linear equations or inequations in two variables or quadratic equations in one variable & their solutions.
- Set language and set notation
- Rational expressions and conditional identities
- Laws of indices

TRIGONOMETRY

- Simple Trigonometric identities
- Use of trigonometric tables
- Simple cases of heights and distances

GEOMETRY

- Lines and Angles
- Plane and plane figures
- Theorems on
 - (i) Properties of angles at a point
 - (ii) Parallel lines
 - (iii) Sides and angles of a triangle
 - (iv) Congruency of triangles
 - (v) Similar triangles
 - (vi) Concurrence of medians and altitudes
 - (vii) Properties of angles, sides and diagonals of a parallelogram, rectangle and square
 - (viii) Circles and its properties including tangents and normals
 - (ix) Loci

MENSURATION

- Areas of squares
- Rectangel
- Parallelograms
- Triangle and circles
- Areas of figures which can be split up into these figures
(Field, Book)
- Surface area and volume of cuboids
- Lateral Surface and Volume of right circular cones and
cylinders
- Surface area and volume of Spheres

STATISTICS

- Collection and tabulation of statistical data
- Graphical respresentation frequency polygons
- Histograms
- Bar Charts
- Pie Charts etc.
- Measures of central tendency

BASIC KNOWLEDGE OF ENGLISH

- Tenses
- Articles
- Verb & Models
- Preposition
- Synonyms and Antonyms
- Rearranging of Jumbled sentences
- Narration
- Active & Passive Voice
- Idioms and Phrases
- Comprehension with blanks to be filled in with
 - i. Phrases
 - ii. Pronouns
 - iii. Homonyms/ homophones
- Pairs of words and their use in meaningful sentences
- Clauses

UNDERSTAND AND USAGE OF IT AND COMPUTER KNOWLEDGE

- Types of Computer
- Components of Computer
- Networking
- Internet
- Abbreviations



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GENERAL KNOWLEDGE

INDIAN HISTORY

- **Ancient India**

- The Early Man
- Indus valley civilization
- The Aryan and the vedic age
- Pre-Mauryan age
- Magadha empire
- Jainism
- Buddhism
- The Mauryan Empire
- Post Mauryan Period
- The age of the Guptas
- Gupta Administration
- The Harsha Period
- Sangam age\

- **Medieval India**

- The Rajputs
- The Delhi Sultanate
- Vijayanagar Kingdom (AD 1336-1580)
- Religious Movements

- The Mughal Empire
- The Maratha Age
- **Modern India**
 - Advent of the Europeans
 - Phases of Economic policy
 - Revolt of 1857
 - Governor-Generals of Bengal
 - Growth of Modern Education in India
 - Social and Cultural Uprisings
 - The Indian National Movement
 - Important National Leaders
- **Art and Culture of India**
 - Religion
 - Literature
 - Music
 - Dance
- **World History**
 - Important Wars of the 20th Century

GEOGRAPHY

- World Geography

- Universe
- Solar system
- The Moon
- The Earth
- Earthquakes
- Volcanism
- Rocks
- Landforms
- Atmosphere
- Climate
- Hydrosphere
- Movements of Oceanic Water
- Continents of the World

- Indian Geography

- Drainage systems of India
- The Climate of India
- Forest and Natural Vegetation
- Agriculture in India
- Green Revolution

- Mineral Resources
- Energy
- Transport
- Major Tribes of India
- States/UTs of India
- **Ecology and Environment**
- Pollution
- Biodiversity
- Biosphere Reserves of India

INDIAN ECONOMY

- Introduction of Economics
- National Income of India
- Methods of Measuring National Income
- Strategies of Planning
- Demography
- Poverty
- Unemployment
- Rural Development programmes
- Agriculture
- Industry
- Insurance Sector

- Indian financial system
- Union Budget
- Finance commission
- International Economic organizations



**800
POSTS**

LIVE BATCH

**एस. आई बनने का
सपना पूरा**

**JK POLICE
SUB-INSPECTOR**

**10 जुलाई सुबह 9 बजे
शाम 8 बजे**

अभी ज्वाइन करें

GENERAL SCIENCE

- Physics

- Units
- Newton's Laws of Motion
- Work
- Energy and Power
- Gravitation
- Satellite
- General Properties of Matter
- Density and Relative Density
- Wave Motion
- Sound wave
- Heat
- Light
- Electricity
- Atomic and Nuclear physics
- Radioactivity
- Nanotechnology

- Chemistry

- Matter and its states
- Atomic structure

- Radioactivity
- Acids, Bases and salts
- Electrochemistry
- Battery
- Carbon and its compounds
- Energy resources
- Air
- Water
- **Biology**
- The Cell
- Biomolecules
- Biological Evolution
- Systems of Human Body
- Diseases
- Genetics
- Biotechnology
- Botany
- Agriculture
- Animal husbandry

ANALYTICAL APTITUDE

- Statement and Conclusion
- Data Sufficiency
- Odd one out
- Coding-Decoding
- Blood relation
- Analogies
- Syllogisms
- Ranking & Time Sequence
- Alphabet & Eligibility Test
- Number sequence (series)
- Input-Output
- Directions
- Inequalities
- Logical Venn Diagram

IF A NEW SYLLABUS IS
ADDED
THAT WILL BE
GENERAL KNOWLEDGE
WITH SPECIAL
REFERNCE TO UT J&K