

MATHS

NUMBER SYSTEM

1. Knowing our Numbers
2. Playing with Numbers
3. Whole Numbers
4. Negative Numbers and Integers
5. Fractions:

GEOMETRY

1. Basic Geometrical Ideas (2 -D)
2. Understanding Elementary Shapes (2-D and 3-D):

MENSURATION

1. Data Handling

SCIENCE

1. Food
2. Materials
3. The World of the Living
4. Moving Things, People and Ideas
5. How things work Electric current and circuits
6. Natural Phenomena

SOCIAL STUDIES (without History)

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CIVICS/POLITICAL SCIENCE

1. Understanding Diversity.
2. Diversity and Discrimination.
3. What is Government.
4. Panchayati Raj.
5. Rural Administration.
6. Urban Administration.

GEOGRAPHY

1. The Earth in the Solar System
2. Globe -latitudes and longitudes
3. Motions of the Earth
4. Maps
5. Major domains of the Earth

COMPUTER SCIENCE

1. Introduction
2. Parts of Computer
3. Applications of Computer
4. MS Paint
5. Hardware and Software
6. Input and Output Devices

MATHS

1. **Integers**
2. **Fractions and decimals**
3. **Data handling**
4. **Lines and angles**
5. **Properties of triangle**
6. **Comparing quantities**
7. **Symmetry**
8. **Visualising solid shapes**
9. **Rational numbers**

SCIENCE

1. **Nutrition in plants**
2. **Heat**
3. **Nutrition in animals**
4. **Acid base and salts**
5. **Physical and chemical changes**
6. **Motion and time**
7. **Respiration in organism**
8. **Forest: our lifeline**
9. **Light**

SOCIAL STUDIES (without History)

CIVICS/POLITICAL SCIENCE

1. Equality
2. Types of Discrimination
3. Role of Government in Health
4. National Health Mission
5. How The State Government Works
6. Three Branches of Government
7. Growing up Boys and Girls
8. Women Change the World
9. Government Policies

GEOGRAPHY

1. Environment
2. Inside our Earth
3. Our Changing Earth
4. Movement of Earth
5. Air
6. Water
7. Spring Tides and Neap Tides
8. Natural Vegetation and Wildlife
9. Human Environment- Settlement, Transport and Communication

COMPUTER SCIENCE

1. Computer Applications
2. Windows Explorer
3. MS Word
4. Storage Devices
5. Input and Output Devices
6. Hardware and Software

MATHS

1. Rational number
2. Linear equation in one variable
3. Understanding quadrilaterals
4. Data handling
5. Square and square roots
6. Cubes and cube root
7. Exponent and powers
8. Factorisation
9. Introduction to graphs

SCIENCE

1. Crop production
2. Microorganism- friend or foe
3. Combustion and flame
4. Conservation of plants and animals
5. Reaching to age of adolescence
6. Force and pressure
7. Sound
8. Some natural phenomena

SOCIAL STUDIES (without History)

CIVICS/POLITICAL SCIENCE

1. The Indian Constitution
2. Understanding Secularism
3. Parliament and the Making of Laws
4. Judiciary
5. Understanding Marginalisation
6. Confronting Marginalisation

GEOGRAPHY

1. Resource
2. Land ,Soil ,Water , Natural Vegetation and Wildlife Resources
3. Agriculture
4. Industries

COMPUTER SCIENCE

1. Internet Fundamentals
2. Introduction to IT
3. MS Power Point
4. Generations of Computer
5. Types of Computer
6. Computer Memory

MATHS

1. Number Systems
2. Algebra
3. Coordinate Geometry
4. Geometry
5. Statistics and Probability

SCIENCE

1. Matter-Nature and Behaviour
2. Organization in the Living World
3. Motion, Force and Work
4. Food Production

SOCIAL STUDIES (without History)

ECONOMICS

1. The Story of Village Palampore
2. People as Resource
3. Poverty as a Challenge
4. Food Security in India

CIVICS/POLITICAL SCIENCE

1. What is Democracy? Why Democracy?
2. Constitutional Design
3. Electoral Politics
4. Working of Institutions
5. Democratic Rights

GEOGRAPHY

1. India- Size and Location
2. Physical features of India
3. Drainage
4. Climate
5. Natural Vegetation and Wildlife
6. Population

COMPUTER SCIENCE

1. Networking
2. Internet Applications
3. MS Excel
4. Data Base Management System
5. Generations of Computer
6. Computer Memory

MATHS

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1. Number Systems
2. Algebra
3. Trigonometry
4. Coordinate Geometry
5. Geometry
6. Mensuration
7. Statistics and Probability

SCIENCE

1. Chemical Substances - Nature and Behaviour | Chemical reactions | Acids, bases and salts | Metals and non-metals
2. World of Living - Life processes | Reproduction
3. Natural Phenomena - Reflection of light by curved surfaces | Refraction of light by spherical lens
4. Effects of Current
5. Natural Resources

SOCIAL STUDIES (without History)

ECONOMICS

1. Development
2. Sectors of the Indian Economy
3. Money and Credit
4. Globalisation and the Indian Economy
5. Consumer Awareness

CIVICS/POLITICAL SCIENCE

1. Power Sharing
2. Federalism
3. Gender, Religion and Caste
4. Political Parties
5. Outcomes of Democracy

GEOGRAPHY

1. Resources and Development
2. Forest and Wildlife Resources
3. Water Resources
4. Agriculture
5. Mineral and Energy Resources
6. Manufacturing Industries

COMPUTER SCIENCE

1. Office Automation- MS Word, MS Power Point, MS Excel
2. HTML
3. Operating System
4. Computer Applications
5. Hardware and Software
6. Internet

ACCOUNTANCY

1. Introduction to Accounting
2. Theory Base of Accounting
3. Recording of Business Transactions
4. Bank Reconciliation Statement
5. Depreciation, Provisions and Reserves
6. Trial balance and Rectification of Errors
7. Financial Statements
8. Incomplete Records

BUSINESS STUDIES

1. Nature and Purpose of Business
2. Forms of Business Organisations
3. Public, Private and Global Enterprises
4. Business Services
5. Emerging Modes of Business
6. Social Responsibility of Business and Business Ethics
7. Sources of Business Finance
8. Small Business
9. Internal Trade
10. International Business

ECONOMICS

Statistics for Economics

1. Introduction
2. Collection, Organisation and Presentation of Data
3. Statistical Tools and Interpretation

Introductory Microeconomics

1. Introduction
2. Consumer's Equilibrium and Demand
3. Producer Behaviour and Supply
4. Forms of Market and Price Determination under perfect competition with simple applications

MATHS

1. Sets and Functions
2. Algebra
3. Coordinate Geometry
4. Calculus
5. Statistics and Probability

GENERAL AWARENESS

Questions will be based on Current Affairs, Basic Finance, Sports, National and International News, Political, Culture, Indian Constitution, Scientific Research, India and its neighbouring countries, Static GK etc.

CHEMISTRY

1. Some Basic Concepts of Chemistry
2. Structure of Atom
3. Classification of Elements and Periodicity in Properties
4. Chemical Bonding and Molecular Structure
5. Chemical Thermodynamics
6. Equilibrium
7. Redox Reactions

PHYSICS

1. Physical World and Measurement
2. Kinematics
3. Laws of Motion
4. Work, Energy and Power
5. Motion of System of Particles and Rigid Body
6. Gravitation
7. Properties of Bulk Matter

BIOLOGY

1. Diversity of Living Organisms
2. Structural Organization in Plants and Animal
3. Cell: Structure and Function
4. Plant Physiology
5. Human Physiology



17th National Talent Search Test

Syllabus (Level-1) - Class 11 (Science)



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MATHS

- 1. Sets**
- 2. Relations & Functions**
- 3. Trigonometric Functions**
- 4. Complex Numbers and Quadratic Equations**
- 5. Linear Inequalities**
- 6. Permutations and Combinations**
- 7. Sequence and Series**
- 8. Introduction to Three-dimensional Geometry**
- 9. Statistics**
- 10. Probability**

GENERAL AWARENESS

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ACCOUNTANCY

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1. Accounting for Partnership Firms
2. Accounting for Partnership firms - Reconstitution and Dissolution
3. Accounting for Companies
4. Accounting for Share Capital
5. Accounting for Debentures
6. Analysis of Financial Statements
7. Financial statements of a Company
8. Cash Flow Statement

BUSINESS STUDIES

1. Nature and Significance of Management
2. Principles of Management
3. Business Environment
4. Planning
5. Organising
6. Staffing
7. Directing
8. Controlling
9. Financial Management
10. Financial Markets
11. Marketing Management
12. Consumer Protection

ECONOMICS

Introductory Macroeconomics

1. National Income and Related Aggregates
2. Money and Banking
3. Determination of Income and Employment
4. Government Budget and the Economy
5. Balance of Payments

Indian Economic Development

1. Development Experience (1947-90) and Economic Reforms since 1991
2. Current Challenges facing Indian Economy
3. Development Experience of India – A Comparison with Neighbours

MATHS

1. Sets and Functions
2. Algebra
3. Coordinate Geometry
4. Calculus
5. Statistics and Probability

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CHEMISTRY

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1. Solutions
2. Electrochemistry
3. Chemical Kinetics
4. d -and f -Block Elements
5. Coordination Compounds
6. Haloalkanes and Haloarenes
7. Alcohols, Phenols and Ethers
8. Aldehydes, Ketones and Carboxylic Acids

PHYSICS

1. Electrostatics
2. Current Electricity
3. Magnetic Effects of Current and Magnetism
4. Electromagnetic Induction and Alternating Currents
5. Electromagnetic Waves
6. Optics
7. Dual Nature of Radiation and Matter

BIOLOGY

1. Reproduction
2. Genetics and Evolution
3. Biology and Human Welfare
4. Biotechnology and its Applications
5. Ecology and Environment

MATHS

1. Relations and Functions
2. Inverse Trigonometric Functions
3. Matrices
4. Determinants
5. Continuity and Differentiability
5. Applications of Derivatives
6. Vectors
7. Three - dimensional Geometry
8. Linear Programming
9. Probability

GENERAL AWARENESS

Questions will be based on Current Affairs, Basic Finance, Sports, National and International News, Political, Culture, Indian Constitution, Scientific Research, India and its neighbouring countries, Static GK etc.