



National Assessment for Scientific Temperament & Aptitude [NASTA]

Syllabus Guidelines 2022

For Class 5 to 10



SUBJECT AREAS & SKILLS ASSESSED



SCIENCE

Class 5 - Family and Friends, Food, Shelter

Class 6 to 8 - Food, Materials, World of the Living, Moving Things, People & Ideas, How things Work, Natural Phenomenon, Natural Resources

Class 9 - Matter-Its Nature and Behaviour, Organization in the Living World, Motion,, Force and Work, Natural Resources: Balance in nature

Class 10 - Chemical Substances-Nature and Behaviour, World of Living, Natural Phenomena, Effects of Current, Natural Resources, Management of natural resources



MATHEMATICS

Class 5 - Geometry, Numbers, Mental Arithmetic, Fractional Numbers, Money, Measurement, Data Handling , Patterns

Class 6 to 8 - Number System, Algebra, Ratio & Proportion, Geometry, Mensuration, Data Handling

Class 9 - Number Systems, Algebra, Coordinate Geometry, Geometry, Mensuration, Statistics & Probability

Class 10 - Number Systems, Algebra, Coordinate Geometry, Geometry, Trigonometry, Mensuration, Statistics & Probability



COMPUTERS/IT

Class 5 - History of Computer, Memory and Storage Device, Fundamental of Computer, Microsoft Word 2010, Microsoft PowerPoint 2010, Microsoft Excel, Internet and Security, Multimedia, Media Player

Class 6 - Microsoft Word 2010, Microsoft PowerPoint 2010, Microsoft Excel, Internet and Security, Algorithm and Flowchart, QBASIC, HTML

Class 7 - Internet and Security, HTML, Photoshop

Class 8 - Internet and Security, Algorithm and Flowchart, Photoshop, Flash, E-Commerce

Class 9 - Basic of Information Technology, Computer System, Memory, Storage Devices, Input/output Devices, Type Of Software, Computer Networking, Multimedia, Cyber Safety, Microsoft Office Tools, Scratch

Class 10 - Networking, HTML, Cyber Ethics, Scratch or Python

SUBJECT AREAS & SKILLS ASSESSED



EVS/HUMANITIES

Class 5 - Water, Travel, Things we make and do

Class 6 - History:Our Pasts, Social & Political Life, Geography

Class 7 - History, Geography, Democracy & Equality

Class 8 - History, Geography, Rule of Law & Social Justice

Class 9 - India and the Contemporary World - I, Contemporary India - I, Democratic Politics - I, Economics, History, Geography

Class 10 - India and the Contemporary World - II, Contemporary India - II, Democratic Politics - II, Understanding Economic Development, History, Geography



APTITUDE & REASONING

Class 5 to 10 - Spatial Aptitude, Perceptual Aptitude, Abstract Reasoning, Verbal Reasoning



SKILLS AREAS

Students are assessed across the following attributes:

KNOWING



RECOGNITION



OBSERVATION



CLASSIFICATION

APPLYING



PROBLEM SOLVING



PRECISION



PREDICTION

REASONING



CRITICAL THINKING



INTERPRETATION

NASTA RIGEL

NASTA RIGEL consists of two papers. Details are as follows:

- Questions will be 60% from the current class syllabus and 40% from the previous class syllabus. 30% questions of paper 1 will assess the awareness of the students on Science and Mathematics, 40% questions will assess knowledge level and 30% Higher Order Thinking Skills (HOTS). Paper 2 will assess the awareness on Social Science/EVS, Computers/IT & Aptitude.
- **Paper Language:** English, Hindi or other Regional Languages
- **Eligibility:** All students of CBSE, ICSE/ISC

Duration (90 minutes)			
Class	Subject	No. of Questions	Total Marks
5 to 8 (Paper 1)	Science	30	30
	Mathematics	30	30
9 & 10 (Paper 1)	Science	40	40
	Mathematics	40	40
5 & 10 (Paper 2)	Evs/Humanities	20	20
	IT/Computers	20	20
	Aptitude/Reasoning	20	20

ABOUT CSIR - NISTADS

CSIR-NISTADS is one of the constituent laboratories of the Council of Scientific and Industrial Research (CSIR), Under DSIR, Govt. of India, New Delhi. The Institute is devoted to research on policy, policy advisory and provides research support to national S&T agencies on science, technology, society, and innovation challenges.

CSIR-NISTADS is a pioneering research organization in the realm of S&T policy research in the areas of Innovation systems, S&T Human resources, Rural development, MSME, Global governance, Climate change, Energy and Environment and other domains related to STI (Science, Technology, and Innovation) policy. One of the pressing issues of India is that young students are not attracted to opt science as a career, and therefore, there is a strong need to address this issue.

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