National Assessment for Scientific Temperament & Aptitude [NASTA]

Syllabus Guidelines 2020 - 2021

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

For detailed syllabus, visit http://kamp.nistads.res.in
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

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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

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<th>Duration (90 minutes)</th>
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<tbody>
<tr>
<td>Class</td>
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<tr>
<td>5 to 8 (Paper 1)</td>
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<td>9 &amp; 10 (Paper 1)</td>
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<td>5 &amp; 10 (Paper 2)</td>
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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.

LEARN MORE

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