

Circular for Parents of Classes XI to XII Session 2020-21

SIS/COMP - NOV 004/2020

November 18, 2020

Subject: Registration for KAMP NASTA - 2020

Dear Parents

Namaste

We are happy to introduce you to the **Knowledge and Awareness Mapping Platform “KAMP”**, an International intellect E-based assessment platform to evaluate cognizance of 21st century skills, awareness and knowledge of Science, Technology & Humanities among students. KAMP is an initiative and Knowledge Alliance of CSIR – National Institute of Science Technology and Development Studies (CSIR – NISTADS) ,Department of Scientific and Industrial Research, Government of India and industrial partner M/S. NYSA Communications Pvt. Ltd., Noida, Uttar Pradesh.

The KAMP is designed for comprehensive assessment of the students to create awareness and encourage scientific temperament among the students. It intends to **develop creativity, meaningful learning, critical reading and thinking skills** that brings out the inherent abilities of the students. It is also the first initiative taken by CSIR-NISTADS, to **map Scientific Temperament and Aptitude** of young students based on their assessment outcome and nurture them as future scientists of the country. It believes that every student is blessed with a core talent and aimed to bring the best in them through this platform.

KAMP is conducting a **National Assessment for Scientific Temperament and Aptitude (NASTA - 2020)** to identify and promote talented students of Classes V to XII in the field of Science, Technology and Humanities. NASTA is designed and developed to identify and promote scientific temper among students. This is one of the primary initiatives under KAMP. It is an **Attribute-Based Assessment** as against only Subject Based Assessment. NASTA provides educators, policymakers, and parents with a common measure of student achievement.

NEED OF NASTA

NASTA introduces the career advisory and aptitude assessment for students of Classes XI to XII. NASTA assesses the awareness and aptitude for senior students. Individuals differ from each other in terms of psychological dimensions such as ability, interest, aptitude, personality motivation and emotions. Aptitude is one such dimension which refers to the ability to acquire skill or knowledge in a particular area. NASTA results help the students to revalidate their choices and interest areas to excel in future. It gives ample time to the students to indulge in self-explanation and self-preparation in academics as well as in exploring the world.

NASTA - 2020 INDICATORS FOR CLASSES XI to XII

a. MECHANICAL REASONING: It is the ability to understand and apply mechanical concepts and principles to solve problems. It assesses the areas of acceleration, pressure, energy transformation, work and power, levers, pulleys, screws, springs, tools etc.

b. MATHEMATICAL REASONING It refers to understanding numerical relationships and applying the same to the issue/problem. It assesses how well a student is able to solve problems covering four arithmetic operations like addition, subtraction, multiplication and division. It also covers areas like ratio, percentage, square and square root, cube and cube root, number sequence, factorization, linear equation, work and speed etc.

c. DIGITAL LITERACY: Digital literacy refers to an individual's ability to find, evaluate, and compose clear information through writing and other media on various digital platforms. Digital literacy is evaluated by an individual's grammar, composition, typing skills and ability to produce text, images, audio and designs using technology.

d. SPATIAL APTITUDE: It is related to the capacity to mentally manipulate actual materials through imagining. It is the ability to judge how an object would look like when constructed in a given way.

e. LANGUAGE APTITUDE: It is concerned with a person's ability to use and understand written language. This assesses how well a student understands words and their synonyms, spell the word correctly and identifies the correct meaning of the given idioms/proverbs.

f. PERCEPTUAL APTITUDE: It refers to a person's ability to quickly, accurately and meaningfully compare visual information like numbers, objects, pictures or patterns. It assesses how students compare the paired groups of letters or numbers and identify the similarities or differences.

g. ABSTRACT REASONING: It refers to a person's ability for logical and analytical thinking. It is non-verbal and assesses how well students can reason and logically relate geometric shapes or designs. Series and sequences based questions are included in abstract reasoning.

h. VERBAL REASONING: It is the ability to understand and reason using concepts expressed in words. It evaluates a student's ability to think constructively with words. It assesses the ability to understand concepts and relationships that are underlying a word pair, finding the missing word in a pair with similar concepts and relationships.

NASTA – 2020 Details:

Eligibility: All students of Classes XI to XII.

Registration: The school will register all the participating students. You can give your consent for registering your ward by filling up the Google Form clicking on the link below:

<https://forms.gle/Dtb64RrBQq15YHy46>

Last Date of Filling the Consent form: Thursday, November 26, 2020

Registration Fee: Rs. 400/- per student which will be added to the next installment of school fee.

Mode of Examination: Online

Month of Examination: December 2020

Pattern of Examination:

CLASS	DURATION	SUBJECT(S)	NO. OF QUESTIONS	TOTAL MARKS
Classes XI to XII	90 Minutes	Aptitude & Career Advisory Test	80	80

Study Material: Preparation tips for students, Syllabus for NASTA, Sample Questions, Exam Conduction Guidelines, Assessment Pattern details can be accessed through www.kamp.nistads.res.in. Mock assessment facilities will be provided under student login.

ASSESSMENT REPORT: Assessment Report will be available online under schools/institutions login. All participants will receive a comprehensive assessment report with an advisory under their respective student's login.

AWARDS, VISITS & CERTIFICATES: All participants will receive a "Certificate of Excellence/Participation" depending on their individual performance. Special awards include National & International Visits for State & National Level achievers.

We are sure our Shishyans will take optimal advantage of this opportunity to further enhance their learning and showcase their inherent potential. We request you to **kindly motivate your ward to participate in this assessment.**



We are also enclosing herewith the NASTA – 2020 Brochure for your further information.

Kind regards

Dr. Lalita Singh

Principal