



NOTIFICATION FOR

DAKSHANA SELECTION TEST (NDST & JDST) 2020

Ref. No.: 02/2019

Dated: September 27, 2019

Dakshana shall be selecting scholars for its Two-year & One-year JEE/NEET Coaching Scholarship Program through the NDST (Navodaya Dakshana Selection Test) 2020 and JDST (Joint Dakshana Selection Test) 2020, respectively.

NDST and JDST 2020 (for 2020 intake) are scheduled to be held on Sunday, December 08, 2019

Selection procedure for NDST 2020:

- This test is held exclusively for students of Jawahar Navodaya Vidyalayas (JNV) only.
- Students currently (Academic Session 2019-20) in Class 10 in JNVs will be selected for NDST, based on their performance at internal school examinations (Class 10th PWT 1 & 2) in the current year.
- List of shortlisted students to appear in the NDST will be available on <https://dakshana.org/become-a-scholar/> from November 01, 2019.
- Shortlisted students must fill the Online Application before November 20, 2019.
- Scholars shall be selected for the Two-year program, starting in June/July 2020 at selected JNVs across India, from the NDST 2020 only.

Selection procedure for JDST 2020:

- This test is held for students of Jawahar Navodaya Vidyalaya and state government schools.
Note: Government-aided schools, private schools, local body-run schools are not eligible for this scholarship.
- Students currently in Class 12 Science (Academic Session 2019-20) can appear in the JDST.
- Dakshana will select scholars for the One-year program, starting in July 2020 at Dakshana Valley, Pune, from JDST 2020 and JEE Mains/NEET 2020*.

For students in JNVs:

- Students currently in Class 12 (Science) in JNVs will be selected, for the JDST, based on their performance at internal school examinations (Class 12 Half yearly exam) in the current year.
- List of shortlisted students to appear in the JDST will be available on <https://dakshana.org/become-a-scholar/> from November 01, 2019.
- Shortlisted students must fill the Online Application before November 20, 2019.
- Dakshana will select scholars for One-year program based on their merit at the JDST 2020/JEE Mains 2020/NEET 2020 and Personal Interviews.

For students in State Govt. Schools:

- Eligible students must apply online at <https://dakshana.org/become-a-scholar/>. Registration is open!
- Dakshana will verify the application based on eligibility criteria and will issue the admit card to the shortlisted students.
- Dakshana will select scholars for the One-year program based on their merit at the JDST 2020/JEE Mains 2020/NEET 2020 and Personal Interviews.

NDST 2020 and JDST 2020 Format:

- NDST & JDST will be of 3-hour duration and divided in four parts – Part 1: Mathematics/Biology; Part 2: Logical Reasoning; Part 3: Physics and Part 4: Chemistry.
- Mathematics to be attempted only by Engineering aspirants. Medical aspirants to attempt Biology only. Physics, Chemistry and Logical reasoning will be common for both.
- Questions will be asked only from Class 10 syllabus (For NDST) and Class 12 syllabus (For JDST).
- The tests are in Multiple Choice Question format (Single Option Correct type) with 25 questions in each part.
- Each right answer is awarded 3 marks and 1 mark is deducted for each wrong answer.
- No calculators are allowed.

Test Centres for JNV students:

This is a list of JNV test centres proposed for the NDST & JDST 2020. The students will be allotted a JNV test centre which is in closest proximity to their parent JNV.

Bhopal Region (10): JNV Bilaspur, Raipur, Dantewada-I, Bhopal, Indore, Jabalpur, Balasore, Cuttack, Koraput, Sambalpur

Chandigarh Region (06): JNV Chandigarh, Jalandhar, Mandi, Ganderbal, Leh, Samba

Hyderabad Region (12): JNV Guntur, Vizianagaram, Bengaluru Rural, Bengaluru Urban, Chikmagalur, Dharwad, Koppal, Calicut, Kottayam, Bidar, Warangal, Car Nicobar

Jaipur Region (08): JNV Faridabad, Karnal, Bundi, Jaipur, Jodhpur, Tonk, Udaipur, Dholpur

Lucknow Region (09): JNV Jaunpur, Bareilly, Gorakhpur, Mainpuri, Kanpur Nagar, Lucknow, Meerut, Haridwar, Jhansi

Patna Region (13): JNV Buxar, Darbhanga, Katihar, East Champaran, Patna, Nalanda, Saharsa, Deoghar, Koderma, Ranchi, Burdwan, Howrah, Purnea

Pune Region (10): JNV Gandhinagar, Rajkot, Chandrapur, Hingoli, Jalgaon, Kolhapur, Osmanabad, Pune, Wardha, Vadodara

Shillong Region (12): JNV Papumpare, Bongaigaon, Cachar, Goalpara, Jorhat, Kamrup, Naugaon, Tinsukia, Bishnupur, Ri-Bhoi, Dimapur, South Sikkim

Tips for students to prepare for NDST/JDST 2020

1. Please read NCERT textbooks of Class 10 (For NDST) & Class 12 (for JDST) thoroughly.
2. Questions asked in the NDST/JDST will be slightly more difficult than what appears in regular school examinations. Refer to any book which provides objective-type questions on the NCERT syllabus for additional practice.

All clarifications related to the above tests will be addressed on email only. Please email your queries to ndst@dakshana.org (for NDST) and to jdst@dakshana.org for (JDST).

*Dakshana will also select students based on JEE Mains/NEET 2020 score. However, preference will be given for scholars qualifying at the JDST 2020.

NDST 2020 Syllabus:

Science:

Chemistry: Chemical Reactions and Equations, Acids, bases and salts, Metals and Non-Metals, Carbon and its Compounds, Periodic classification of Elements

Biology: Life processes, Control and Coordination, Organism Reproduction, Heredity and Evolution

Physics: Light - Reflection and Refraction, Human Eye and Colourful World, Electricity, Magnetic Effects of Electric Current

General Science: Sources of Energy, Our Environment, Management of Natural Resources

Mathematics:

Real Numbers, Polynomials, Pair of Linear Equations in Two Variables, Quadratic Equations, Arithmetic Progressions, Triangles, Coordinate Geometry, Introduction to Trigonometry, Some Applications of Trigonometry, Circles, Constructions, Areas Related to Circles, Surface Areas and Volumes, Statistics, Probability

Logical Reasoning:

This section will consist of verbal and non-verbal questions.

JDST 2020 Syllabus:

Biology:

Reproduction: Reproduction in Organisms, Sexual Reproduction in Flowering Plants, Human Reproduction, Reproductive Health

Genetics & Evolution: Principles of Inheritance and Variation, Molecular Basis of Inheritance, Evolution

Biology in Human welfare: Human Health and Disease, Strategies for Enhancement in Food Production, Microbes in Human Welfare

Biotechnology: Biotechnology- Principles and Processes, Biotechnology and its Applications

Ecology: Organisms and Populations, Ecosystem, Biodiversity and Conservation, Environmental Issues

Chemistry:

Physical Chemistry: Solid State, Solution & Colligative Properties, Electrochemistry, Chemical Kinetics, Surface Chemistry

Inorganic Chemistry: General Principles and process of Isolation of elements, P-Block elements, D & F-Block elements, Coordination Compound

Organic Chemistry: Haloalkanes and Haloarenes, Alcohol, Phenol, Ether, Aldehyde, Ketones and Carboxylic Acids, Amines, Biomolecules, Polymer, Chemistry in Everyday Life

Physics:

Electricity & Magnetism: Electric charges & fields, Electrostatic potential, Capacitance, Current Electricity, moving charges & Mechanism, Magnetism & matter, Electromagnetic Induction, Alternating Current, Electromagnetic waves

Optics & Modern Physics: Ray Optics, Optical Instrument, Wave Optics, Dual nature of radiation & Matter, Atoms, Nuclei,

Electronics: Semiconductor, Communication system

Mathematics:

Algebra: Matrices, Determinants, Relations and Functions, Probability

Differential Calculus: Continuity and Differentiability, Application of Derivatives

Integral Calculus: Indefinite & Definite Integration and its Properties, Application of Integration, Differential Equation

Miscellaneous: Inverse trigonometric function, Vector, 3-D Geometry

Logical Reasoning:

This section will consist of verbal and non-verbal questions.