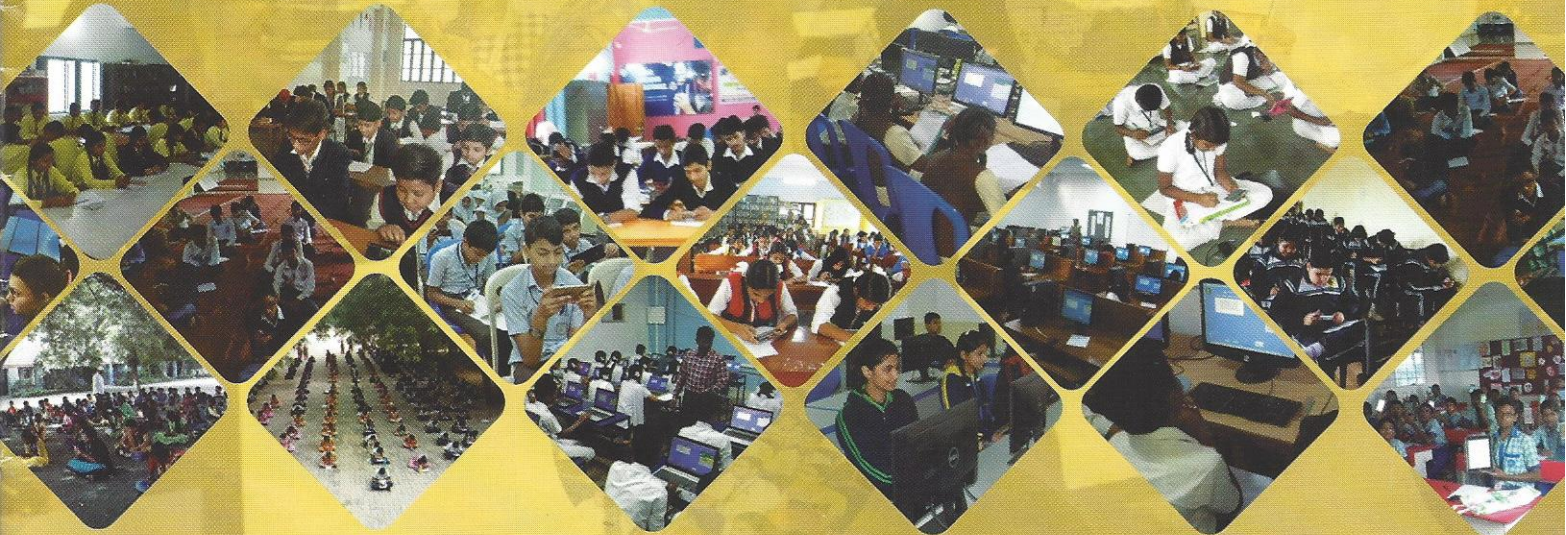




VIDYARTHI VIGYAN MANTHAN 2019-2020

INDIA'S LARGEST SCIENCE TALENT SEARCH FOR NEW INDIA USING DIGITAL DEVICES



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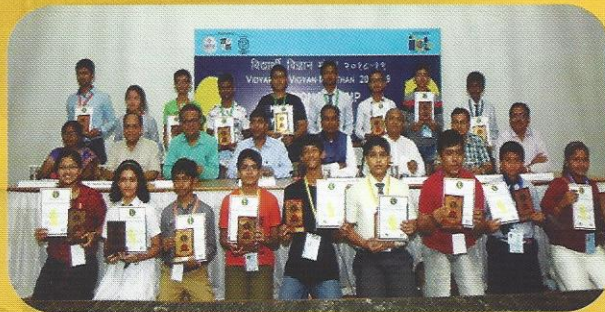
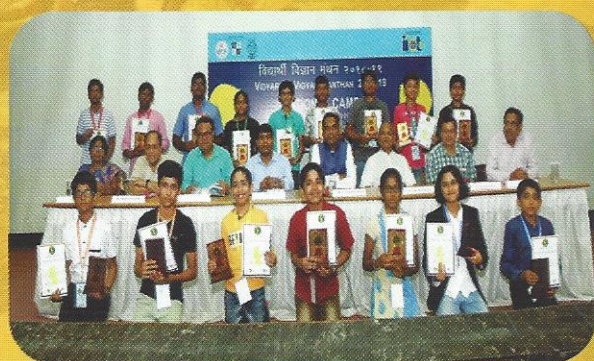
✉ : VVM@VIBHAINDIA.ORG

🌐 : VVM.ORG.IN

Vidyarthi Vigyan Manthan 2018-19



Inauguration session of National Camp held on 18-19 May, 2019 at Indian Institute of Chemical Technology (IICT), Hyderabad, Telangana



North Zone, South Zone, East Zone and West Zone Winners of National Camp



HIMALAYANS 2018-19

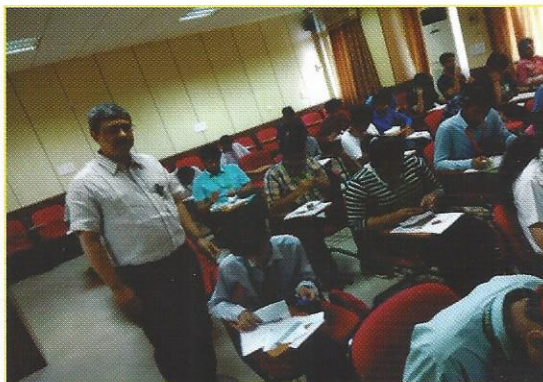
Vidyarthi Vigyan Manthan (VVM) (Science Talent Search for New India)

Vidyarthi Vigyan Manthan (VVM) is an initiative of Vijnana Bharati (VIBHA), in collaboration with Vigyan Prasar, an autonomous organization under the Department of Science and Technology, Government of India and National Council of Educational Research and Training (NCERT), an institution under the Ministry of Human Resources and Development. VVM is a National program for educating and popularizing science among school students of VI to XI standards. VVM aims to identify the bright minds among the student community, who are keen on subjects related to science.

OBJECTIVES OF VIDYARTHI VIGYAN MANTHAN (VVM)

- To create interest among students in pure science
- To educate school children about India's contributions from tradition to modern, to the world of science and technology
- To provide hands-on training to students through workshops and other events
- To provide mentors for preparing students to carry forward their science education at higher levels
- To conduct competitive tests to identify students who have a scientific attitude
- To identify successful students at the State and National levels and felicitate them with prizes and certificates
- To organise exposure visits for the winners to various R&D institutions in the country.

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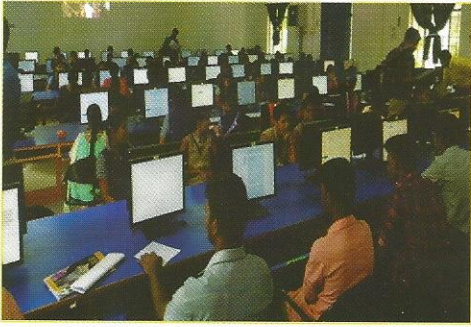
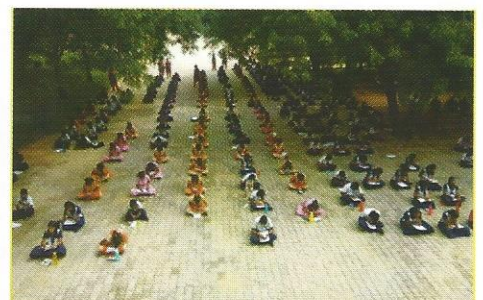
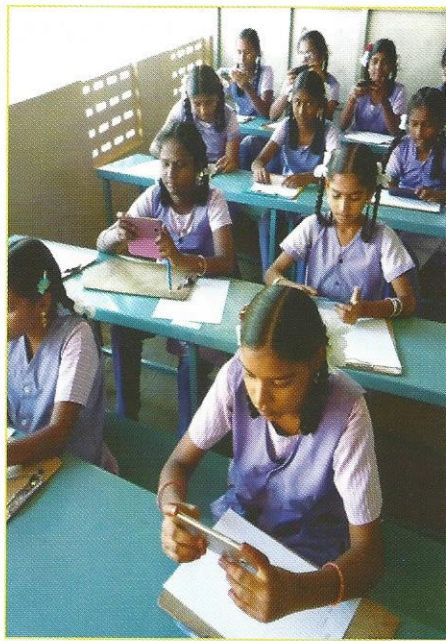
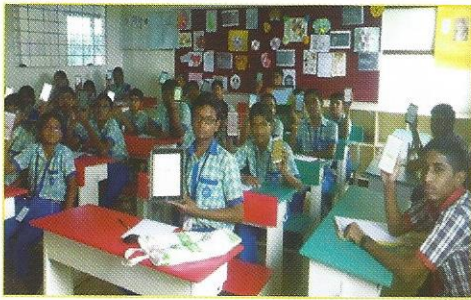
STRUCTURE

Students participating in VVM shall undergo the following multi-level testing procedures:

- Objective type Multiple Choice Questions
- Comprehensive writing
- Presentation and Group discussion
- Role play
- Practical examination
- Methods of Science

The programs also includes organising visits to reputed National Science Laboratories and Centres and interaction with renowned scientists of the nation for the winners of VVM. The VVM will identify Vigyan Jigyasu (विज्ञान जिज्ञासु) Keen Knowledge Seeker of Science) at National-level.

Each student will be evaluated and compared with respect to the students from his/her own class at all the stages i.e. school, state and national level.



3

SCHOOL-LEVEL EXAMINATIONS (JUNIOR & SENIOR)

There will be only one examination of 2 hours at school level with 100 multiple choice questions each weighted for 1 mark. The examination will be conducted for the Junior Group (Class VI to VIII) and for the Senior Group (Class IX to XI).

Evaluation of student will be based on their individual performance at every level. The examination will be conducted in English and Hindi along with 9 major regional languages (which depends upon the number of applicants opting for particular regional language).

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PATTERN OF QUESTION PAPER

Subject	Junior and Senior (Class VI to XI)
No. of Questions	100
Structure of Questions	Multiple Choice Question ¹ [Mark each]
Marks	100
Duration	120 minutes

THE SYLLABUS OF EXAMINATION

CONTENT	CONTRIBUTION	CURRICULUM
Science and Mathematics from text books	50% (50 Questions) [1 Mark Each]	NCERT Curriculum
Indian Contributions to Science	20% (20 Questions) [1 Mark Each]	VVM Study Material*
Life stories of Jagadish Chandra Bose and Edavaleth Kakkat Janaki Ammal	20% (20 Questions) [1 Mark Each]	VVM Study Material*
Logic & Reasoning	10% (10 Questions) [1 Mark Each]	General Reading

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* VVM Study Materials will be available in PDF format from 01 August, 2019 on VVM Website www.vvm.org.in. No printed copies will be provided.

STATE LEVEL CAMP (SLC)

Top 20 rankers from each class for every state will be identified to participate in the one or two days State Level Camp (SLC). The camp will be organised anywhere within the state.

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State Level Camp will consist of Application Orientated Multiple Choice Questions, Hands-On Activities, Observation and Analysis, Situational Problem Solving Ability and a series of other activities. States will be clubbed according to number of students who appeared for the examination with the consideration of their geographical and cultural resemblance and convenience for the students.

NATIONAL CAMP (NC)

Top two students from each class i.e. total 12 students from each state will be invited to a two-days National Camp. National Level Camp (NC) will comprise Presentations, Activities to test Scientific Understanding, Innovation, Creativity, Out of Box Thinking and Assessment of Leadership Quality.

Selected students will have to attend the National Camp with their own travel expenses. No travel support for this purpose will be provided. Boarding and Lodging arrangements will be done by the organisers. The venue and other details will be informed to all the students selected for participation in National Camp by the respective state coordinator(s).

STUDENT AWARDS

LEVEL	NAME	SELECTION	REWARD
LEVEL-I	SCHOOL LEVEL	Top 3 Rankers per class will be SCHOOL winners (i.e. 18 students from each School). Minimum of 10 students per class must be registered from a school to qualify for school winner.	Merit Certificate
LEVEL-II	DISTRICT LEVEL	Top 3 Rankers per class will be DISTRICT winners (i.e. 18 students from each district). [All the schools from that district will be part of evaluation].	Merit Certificate
LEVEL-III	STATE LEVEL	Top 20 rankers from each class from a state will qualify to participate in the state level camp Top 3 Rankers per class will be State winner (i.e. 18 students per state). [Winners will be from students appearing in state camp].	<ul style="list-style-type: none"> • State Camp Participation Certificate • State Camp Memento • Cash prize Rs. 5,000/-, Rs. 3,000/- and Rs. 2,000/- for 1st, 2nd and 3rd ranker per class.
LEVEL-IV	NATIONAL LEVEL	Top 2 winners at the state level, from each state, will qualify to participate in National camp. Top 3 Rankers per class will be National winners i.e. Himalayans. (i.e. 18 students at national level). Top 3 Rankers per class, from a zone, will be zonal winners in addition to National winners (i.e. 18 students per zone)	<ul style="list-style-type: none"> • National Camp Participation Certificate • National Camp Memento • Cash prize Rs. 25,000/-, Rs. 15,000/- and Rs. 10,000/- for 1st, 2nd and 3rd rankers per class. • Cash prize Rs. 5,000/-, Rs. 3,000/- and Rs. 2,000/- for 1st, 2nd and 3rd ranker per class in each zone.

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ALL ABOUT REGISTRATION AND EXAMINATION

Vidyarthi Vigyan Manthan is a unique digital application based science talent search examination that is conducted online at the national level. The registered students will be allowed to take the exam from his/her school or a specified centre through his/her own device, namely, a smart phone (mobile), laptop, desktop (school lab) or tablet. Exam will not be conducted on any of the Apple Devices. The school level examination can be answered on any one of the specified dates (either on a working or a non-working day) as opted by the 'School Exam Coordinator'. Timing of the examination will be the same all over India. **The mode of registration will be online only.**

A

INDIVIDUAL STUDENT REGISTRATION

- We do not encourage individual registration. OR
- However due to some constraints, if a student cannot register through his/her school, he/she may opt for individual registration by choosing a centre of examination from the list provided by organisers.
- Remember there are limited numbers of seats at the exam centres for individually registered students which will be allotted on first come first serve basis.
- Date for the examination will be pre-selected and students will not be allowed to make any further changes in the same. **Student will have to come with his/her own device with good internet connectivity on the day and date of examination mentioned against his/her centre.** The students registered through this category will be considered for evaluation based on their school address mentioned during the registration.

B

SCHOOL & STUDENT REGISTRATION

A fully web based option will be available for the registration of students through the schools. Schools with more than 30 registered students will themselves be the centre of examination for respective school students.

It is necessary to register at least 30 students (in total) while registering in School category.



STEP-I

APPOINTMENT OF SCHOOL EXAM COORDINATOR

The school Principal/authority needs to appoint the school exam coordinator and he/she will register the school and the students as per the STEP-II and STEP-III.



STEP-II

REGISTRATION OF SCHOOL

- Enter the details of the school like School Name, School Address, Name of Principal, Name of Exam Coordinator, Mobile Number, Email Id etc. This information will be shown as school profile on the VVM website.
- The entered data will be verified by VVM admin through sending OTP and an Email verification link on registered mobile and email respectively.
- After the above mentioned process the school will be provided with a unique identification number, username and password.
- The exam coordinator will now be able to register students who wish to take up the VVM online exam after logging in the website.



STEP-III

REGISTRATION OF STUDENTS FROM SCHOOL

- There will be two options with the exam coordinator to register the students:
 - Online**– One by one online entry of the student details.
 - Offline**– The coordinator enters minimal details like Name of student, Class, Gender, Email ID, Phone No. etc. in the prescribed excel format provided for this purpose. It will be an offline process, because, editable excel file (no changes in the format of file will be acceptable) is provided for data entry.
- This information will be shown as student profile on web site.
- After completion of the entries the data can be uploaded online partially or completely. If the uploading or data submission is successful he/she will be directed towards the payment page automatically.
- After the successful submission of exam fee the exam coordinator will be provided with each student's username and password. He/she will be distributing the same to respective students. The login credentials of students will also be available in his/her school profile page as well.
- After that the job of exam coordinator is complete unless/until modification of student's details is needed!

B

STEP-IV

VERIFICATION AND CREATION OF STUDENT PROFILE

- After successful submission, an OTP and email will be sent to the registered mobile number and email ID of each registered student respectively.
- The student can click the verification link and complete the verification process by entering the one-time password.
- In the student profile page, the details of the student like profile photo need to be uploaded (mandatory), DoB, Father's Name, Mother's Name, Residential address etc.
- The student must also specify the details of the device (as the applications for each device varies from each other) from which he is planning to take the exam in order to download the VVM Exam Application compatible with his/her device.
- Student can confirm the details displayed or change the device by providing the details of the device from which he will be taking the exam.

From the school login, the details of all the students registered from that school will be accessible. The authority of modification in the student's name, student's mobile number etc. will only be with the Principal/School Exam Coordinator.

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SCHOOL / CENTER REQUIREMENT TO CONDUCT ONLINE EXAMINATION

- To conduct the examination school should provide classrooms and invigilators. Rs. 20/- per student should be retained by the school as a service charge from organizers.
- School Exam coordinator is requested to please do retain the above service charge with school and rest of the amount will be transferred only through RTGS/NEFT/Challan Payment to VVM Delhi office. In case of account payment, please ensure to upload the receipt & transaction id and submit the transaction details.

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ABOUT DEVICES AND INTERNET FACILITY

- All the students will appear for the examination through their own devices with internet connectivity. If the school is providing the devices with internet facility, it will have to ensure that each device is equipped with good internet connectivity (minimum WiFi speed of 10 Mbps should be ensured for a batch of 100 students). As the student number increases beyond this level, the available WiFi speed needs to be increased in proportion.

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APPLICATION DOWNLOAD AND INSTALLATION

- Once the registration process is complete, the exam application will be made available to download from the profile page of the student. The Application (app) will be installed and will function properly only if the registered device (laptop/tablet/mobile) details are correct or it is downloaded according to the operating system of the desired device from student's profile page. The profile page will contain detailed instructions for Application download and installation. Request support link will be available in case of any issues.
- Once the App is downloaded, the user will have the option to test the Application. Students will have to **update it regularly and for this purpose he/she will have to allow push notification from this App for update notifications.**

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NOTIFICATIONS AND MOCK TEST

To build confidence of the students and to make exam user friendly, the mock test will be conducted regularly. The registered students will get regular notifications regarding the availability of mock exams. On the specified date and time, the student can login and take the mock test. The student profile will be displayed in the top section of the Application. The profile will contain student details with photo for identification.

On completion of the mock test, the student can view the results of mock test in his profile page. After verification of answers student can report to admin if he/she faces any problems in the feedback section of the App.

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FINAL EXAMINATION

Seven days before the date of exam, the student will receive an SMS and Email notification to download the latest App. This download must be done at least three days before the exam date. After 21 November 2019, the app will be available for download (link will be enabled) for those appearing for November 24, 2019 examination and after 27 November 2019, the app will be available for download (link will be enabled) for those appearing for November 30, 2019 examination. Once downloaded, the student should click on the verification link to make sure that the latest version of the App is downloaded and is running on the desired device.

The student will not be able to appear for the exam without the latest App updated installed in the desired device. On 24 November or 30 November 2019, the student should report to the exam center one hour before the exam time with his/her registered device (mobile/tablet /laptop). The student should click on the verify button in the App before the start of exam.

On receiving this request the application will verify the following:

- a) Student's login details – username and password
- b) Connection speed and give warning if the speed is below threshold
- c) Verify the Application ID to make sure that the student is using the latest version of the App
- d) After successful verification students will be asked for OTP which will be provided by the School Exam Coordinator at the time of Examination.

Once all the registered students are present in the examination hall, the exam coordinator (school or specified center) will login as “invigilator” into the app and update the status of the students who are present for the exam in the examination hall.

The exam section will be accessible only for the students who are present in the examination hall. It is to ensure that the student is appearing for the exam only from the specified class room. No student will be allowed or will be able to login after 30 minutes of start of the exam.

The student will be seeing one question at a time. Student can edit or change the answers any time by clicking on the review tab and question no.

The top panel of the application will display the statistics regarding the number of questions Answered, Marked for Review, Time Left, etc.

Fifteen minutes before end of the examination, the student will get an alert saying that “15 minutes are left”.

Students completing the exam before stipulated time can submit his/her answers by clicking on the “SUBMIT” button.

Once the submission is over student will get an Submission notification and he/she will not be able/allowed to login in the App again. After completion of the exam time answer sheet will be auto-submitted and the Submission notification will appear on the Application screen. In case of any connection failure, the answers will be saved by the application to the local system in an encrypted form automatically. The student can upload the answer sheet within the time window provided. While uploading the student will have to input a key obtained from the examination hall invigilator to ensure that the upload facility is not misused.



REGISTRATION

Registration will be available only through online mode which can be done through the website www.vvm.org.in

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Eligibility	Students from Class VI to XI studying under CBSE, ICSE and State Boards
Language	English, Hindi and 9 major regional languages
Exam Centre	Registered school and specified centres
Registration	Open on 01 June, 2019
	Closes on 15 September, 2019 (without Late Fee)
Fee	Rs. 100/- (till 15 September, 2019), with Late Fee Rs. 120/- (from 15 to 30 September, 2019)
Mode of Payment	Through payment gateway and ONLINE (RTGS/NEFT) and Challan Payment only. NO CASH / DD / CHEQUE will be acceptable.
Online Payment Details	Account Number: 67351214143 Account Name: VIDYARTHI VIGYAN MANTHAN IFSC Code: SBIN0070582 Branch Name & Address: State Bank of India, Sarojini Nagar, New Delhi
Website URL	www.vvm.org.in

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IMPORTANT DATES TO REMEMBER

Registrations Open	01 June, 2019
Registrations Closes	30 September, 2019
Upload of VVM Study Material	01 August, 2019
Mock Tests	16 October, 2019 onwards
Download Hall Tickets	Student's Profile Page itself will be the Hall Ticket
Date of Examination (Choose to opt)	Sunday, 24 November, 2019 and / or Saturday, 30 November, 2019
Time of Examination	11:00 AM to 01:00 PM (120 minutes)
Declaration of Result	15 December, 2019
One or Two -day State Camp	05, 12 and 19 January, 2020 (any one day)
Two-day National Camp	16 & 17 May, 2020

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MENTORS

- ✦ Prof. Anil Kakodkar, Former Chairman, Department of Atomic Energy, Govt. of India
- ✦ Dr. G. Madhavan Nair, Former Chairman, ISRO, Govt. of India
- ✦ Dr. V. K. Saraswat, Member, NITI Aayog
- ✦ Dr. Vijay Bhatkar, National President, Vijnana Bharati

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PATRONS

- ✦ Dr. Sudhir S. Bhadauria, Secretary General, Vijnana Bharati
- ✦ Dr. Nakul Parashar, Director, Vigyan Prasar
- ✦ Dr. Hrushikesh Senapaty, Director, NCERT

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ADVISORS

- ✦ Mrs. Anita Karwal, Chairman, CBSE
- ✦ Sh. M. C. Sharma, General Secretary, COBSE
- ✦ Sh. Santosh Kumar Mall, Commissioner, Kendriya Vidyalaya Sangathan
- ✦ Sh. Bishwajit Kumar Singh, Commissioner, Navodaya Vidyalaya Samiti
- ✦ Sh. J. M. Kashipati, Organizing Secretary, Vidya Bharati
- ✦ Sh. A. Jayakumar, Special Advisor, Vijnana Bharati

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ORGANISING TEAM

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CONTROLLER OF EXAMINATION

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ABOUT ORGANISERS



VIJNANA BHARATI

Vijnana Bharati (VIBHA) is a national movement for the propagation and popularization of Science & Technology among students and masses. VIBHA promotes scientific contributions made by India in ancient times as well as now. Now we are the largest scientific organization having the longest chain of state units and networking institutions across the country.



VIGYAN PRASAR

Vigyan Prasar (VP) is a national institute for science and technology communication established in 1989 under the Department of Science and Technology, Government of India. It promotes and propagates a scientific and rational outlook in society, nurtures interest in science, encourages creativity and develops capacity for informed decision making.



NCERT

National Council of Educational Research and Training (NCERT) is an organisation set up by the Government of India in the year 1961 to assist and advise the central and state governments on academic matters related to school education.