



भारतीय विद्यालय शिक्षा बोर्ड मण्डल

Council of Boards of School Education in India

6H BigJo's Tower, A-8 Netaji Subhash Place, Ring Road, Delhi-110034

Mrs. Asano Sekhose
President

M.C. Sharma
General Secretary
Off. : (011) 27351264

Ref. No. COBSE/C.36/2021/1983

13 September 2021

Dear Sir/ Madam,

Subject: Vidyarthi Vigyan Manthan 2021-22: India's Largest online open-book Science Talent Search examination

I am writing to bring to your kind notice that Vigyan Prasar, an autonomous organization under the Dept of Science & Technology, Govt. of India, in association with the National Council of Educational Research & Training (NCERT), Ministry of HRD and Vijnana Bharati (a non-profit organization led by eminent scientist) are successfully conducting a national level talent search examination named Vidyarthi Vigyan Manthan (VVM) over the last five years. It is India's largest Science Talent Search for New India. It conducted the exam through online open-book system due to Covid-19 pandemic during the year 2020-21. This year again, the exam will be conducted online through open-book to be carried out using digital devices.

Dr. Arvind C. Ranade, Scientist 'F', Vigyan Prasar, has requested COBSE to, in turn, request all State Boards to participate in the VVM over the upcoming academic year 2021-22. A copy of the letter received from Vigyan Prasar along with a brochure giving objectives of Vidyarthi Vigyan Manthan (VVM) as well as detailed procedures for registration of candidates and conduct of online examination is enclosed herewith for kind perusal.

It is pertinent to mention here that Vidyarthi Vigyan Manthan is a unique digital application based 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.** [Email: vvm@vibhaindia.org; Contact No. 011-49032436, Mob: 9899615277].

On behalf of Vigyan Prasar, which is an autonomous organization under the Dept of Science & Technology, Govt of India, we request **your Board to issue a circular to all the affiliated schools for the students to participate in the VVM.** In order to give wide publicity, it will be appreciated if the Brochure of VVM is uploaded on your Boards'

official website. I am sure, good number of students from the schools under your Board would like to appear for this examination, as they would be benefitted by the same.

Your cooperation in the matter would be appreciated.

With regards,

Encl: a.a.

Yours sincerely,



(M.C. Sharma)
General Secretary

To: Chairpersons/ Presidents/ Secretaries of all member-boards

विज्ञान प्रसार

(विज्ञान और प्रौद्योगिकी विभाग, भारत सरकार के अंतर्गत स्वायत्त संस्था)

ए-50, इंस्टीट्यूशनल एरिया, सेक्टर-62
नोएडा 201 309 (उ.प्र.)



Vigyan Prasar

(An autonomous organisation under the Dept. of
Science & Technology, Govt. of India)
A-50, Institutional Area, Sector-62
Noida 201 309 (U.P.)

VP/058 /85/VVM/21/26

05-09-2021

To,

Sh. M C Sharma
General Secretary
Council of Boards of School Education in India (COBSE)
Tower A, 6H Bigjo's, 8, Ring Road,
Netaji Subhash Place, Delhi – 110034

Handwritten signature and initials.

Subject: Regarding Vidyarthi Vigyan Manthan 2021-22: India's Largest Science Talent Search for New India using Digital Devices

Dear Sir,

Greetings from Vigyan Prasar!

We place on record our gratitude and respect for the support and guidance given by the Council of Boards of School Education in India for making the 9th edition of Vidyarthi Vigyan Manthan 2020-21 a great success. We are grateful for COBSE's active support and issuing circulars for organizing VVM-National Talent Search for Future India in schools working under your aegis. We conducted the exam with nearly 98937 students' through online open book examination system due to COVID19 pandemic across the nation in the year 2020-21.

You will be glad to know that this year too, Vigyan Prasar, in association with the NCERT and Vijnana Bharati, is co-assisting Vidyarthi Vigyan Manthan (VVM) 2021-22. VVM 2021-22 this year again will be online open-book science talent search examination designed to be carried out using digital devices. Moreover, this year VVM is coming up with Bhaskara Scholarship for Himalayans (18 students) and SRIJAN (Internship-cum-Extensive Training Program) for all national level winners (90 students). We will continue with Mega Nation-Wide Experiment this year as well. As you are aware, it is an experiment based on the food habits of students, the nutritional value of the consumed food, and its environmental impact. The objectives of this mega experiment are to teach observational skills, a scientific mindset, and analytical thinking among our students.

We would like to request you to continue the support of COBSE in upcoming year 2021-22. As the programme is already launched on 7th August 2021, we would like to request you to issue a circular to all the schools working under your aegis to participate in VVM. We would also like to request you to be the member of VVM's Advisory Board and allow us to use COBSE's Logo in supporting Organisation category on VVM letterhead as well as on VVM website. For more information, you can contact me as I also assist as the National Convener for VVM.

Looking forward to your encouraging reply at the earliest.

Yours Sincerely,

Handwritten signature of Arvind C. Ranade.
(Arvind C. Ranade)
Scientist 'F'

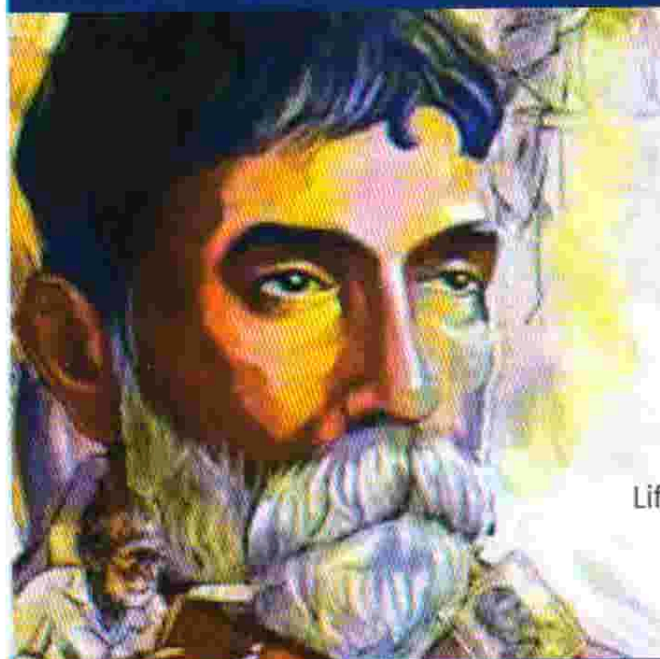
India's FIRST
Open Book Exam



VIDYARTHI VIGYAN MANTHAN 2021-2022

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





160th
Birth Anniversary

Acharya Prafulla Chandra Ray

(2nd August 1861 – 16th June 1944)

Life Story of Acharya Prafulla Chandra Ray &
India's Freedom Struggle & Science

Acharya Prafulla Chandra Ray CIE, FNI, FRASB, FIAS, FCS was an eminent Bengali chemist, educationist, historian, industrialist and philanthropist. He established the first modern Indian research school in chemistry and is regarded as the father of chemical science in India.

VIDYARTHI VIGYAN MANTHAN (VVM)

(India's Largest Science Talent Search Examination for New India Using Digital Devices)

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 Education (earlier known as Ministry of Human Resources and Development). VVM is a national program for popularizing science among school students of standard VI to XI, conceptualised to identify bright minds with a scientific aptitude from the student community.

OBJECTIVES OF VIDYARTHI VIGYAN MANTHAN (VVM):

- o To create interest among students in pure science
- o To educate school children about India's contributions, from traditional to modern, to the world of science and technology
- o To provide hands-on training to students through workshops and other events
- o To provide mentors for preparing students to carry forward their education in the field of science
- o To conduct competitive exams to identify students who have a scientific bent of mind
- o To identify successful students at the State and National levels and felicitate them
- o To organise exposure visits for the winners to various R&D institutions in the country separately for Junior Group (class VI to VIII) and for Senior Group (class IX to XI).

STRUCTURE OF VIDYARTHI VIGYAN MANTHAN:

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

- o Objective type Multiple Choice Questions
- o Comprehensive Writing
- o Presentation and Group Discussion
- o Role Play
- o Practical examination
- o Methods of Science

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

Each student will be evaluated vis-à-vis his/her class peers at all the stages i.e. school, state and national level.

SCHOOL-LEVEL EXAMINATIONS (JUNIOR AND SENIOR):

There will be only one examination for a total of one hour thirty minutes duration at school level with 100 multiple choice questions, each weighted for one mark. Examination will consist of Two Segments viz. Section-A (comprising of 40 questions from study material Indian Contributions to Science; Life story of Acharya Prafulla Chandra Ray & India's Freedom Struggle & Science to be provided by Vijnana Bharati) & Section-B (comprising of 60 questions based on the Text Books of NCERT Curriculum & Logic and Reasoning (open source)). The examination will be conducted separately for Junior Group (class VI to VIII) and for Senior Group (class IX to XI).

Evaluation of students will be based on their individual performance at each level. The examination will be conducted in English, Hindi, Tamil, Telugu, Kannada, Malayalam, Marathi, Gujarati, Punjabi, Bengali, Odia and Assamese (major regional languages).

THE PATTERN OF QUESTION PAPER:

Content	Junior and Senior (Classes VI to XI)	
No. of Questions	100	
Marks	100*	
Structure of Questions	Multiple Choice Questions [1 Mark each]	
Segments	Section-A	40 questions from 1) Indian Contributions to Science; 2) Life story of Acharya Prafulla Chandra Ray & 3) India's Freedom Struggle & Science
	Section-B	60 questions from 1) Text Books of NCERT Curriculum & 2) Logic and Reasoning (open source)
Duration (90 minutes)	Section-A	30 Minutes (40 Questions, 40 Marks)
	Section-B	60 Minutes (60 Questions, 60 Marks)
Qualifying Criterion	Answers of Section-B will be checked only if a student secures equal or more than 50% (i.e. equal to or more than 20 Marks) in Section-A.	

* Answers of Section-B will be evaluated only if a student secures equal to or more than 50% (i.e. equal to or more than 20 Marks) in Section-A. The final merit list to identify participants for State Level Camp would be prepared on the basis of total marks scored in both segments namely Section-A & Section-B. In case, if there is tie in rankings, marks obtained in Section-A will be the deciding one.

THE SYLLABUS OF EXAMINATION:

CONTENT	CONTRIBUTION	CURRICULAM
Science and Mathematics from Text Books	50% (50 questions) [1 Mark each]	NCERT Curriculum
Indian Contribution to Science*	20% (20 questions) [1 Mark each]	VVM Study Material
Life Story of Acharya Prafulla Chandra Ray* & India's Freedom Struggle & Science **	20% (20 questions) [1 Mark each]	VVM Study Material
Logic and Reasoning	10% (10 questions) [1 Mark each]	General Reading

* will be available in Digital Format from 15th August, 2021 onwards. No hard copies will be provided.

** Digital Format can be accessed 45 days prior to exam. No hard 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 day State Level Camp (SLC). The camp will be organised at any location within the state.

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, as per consideration of their geographical and cultural resemblance, and convenience of the students.

Selected students will have to bear their travel expense to attend the State Level Camp. No travel support for this purpose will be provided. The venue and other details will be informed to all selected students by the respective state coordinator(s).

NATIONAL CAMP (NC):

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

Selected students will have to bear their travel expense to attend the National Camp. No travel support for this purpose will be provided. Organisers will make boarding and lodging arrangements. Necessary details regarding venue and others will be provided 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 TOPPERS	Top 3 rankers per class will be SCHOOL winners (i.e. 18 students from each school). Minimum 10 students per class must be registered from a school to qualify for this category.	Merit Certificate Certificates will be generated online only. Participating students can download them from profile account after logging into it on our website. No printed copy of the same will be provided.

LEVEL – II	DISTRICT TOPPERS	Top 3 rankers per class will be DISTRICT winners (i.e. 18 students from each district). [All schools from that district will be part of evaluation].	Merit Certificate Certificates will be generated online only. Participating students can download them from profile account after logging into it on our website. No printed copy of the same will be provided.
LEVEL – III	STATE LEVEL WINNERS	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 winners (i.e. 18 students per state). [Winners will be chosen from among students appearing in the 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 rankers per class
LEVEL – IV	NATIONAL LEVEL WINNERS	Top 2 winners at the state level, from each state, will qualify to participate in the 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"> • 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, Internship and Scholarship of 1 year Cash prize Rs. 5,000/-, Rs. 3,000/- and Rs. 2,000/- for 1st, 2nd and 3rd rankers per class in each zone and Internship

SRIJAN:

Vidyarthi Vigyan Manthan 2021-22 edition will provide an opportunity to participate in an Extensive Training cum Internship (1 to 3 weeks) to National (Himalayans) and Zonal Winners in any one of the reputed national labs or premier research institutions like DRDO, ISRO, CSIR, BARC etc.*

* Subject to COVID19 situation

BHASKARA SCHOLARSHIP:

Vidyarthi Vigyan Manthan is introducing Bhaskara Scholarship of Rs. 2000/- per month to the National Winners (Himalayans) for one year. A specific project/activity will be assigned to every Himalayan at the end of SRIJAN program. The scholarship will be released quarterly on the basis of assessment by the student engagement team.

ALL ABOUT REGISTRATION AND EXAMINATION:

Vidyarthi Vigyan Manthan is a national level, unique, App based, science talent search examination that is conducted online. The registered students will be allowed to take exam from his/her own device, namely, a smart phone (mobile), laptop or desktop from his/her home. Exam will be conducted on windows and android platforms ONLY. First level examination will be conducted on 30th November or 05th December, 2021. Timing of the examination will be the same all over India.

The mode of registration will also be online.

(A) INDIVIDUAL STUDENT REGISTRATION:

- We are open for individual registration.
- The student will enter details like Name, DoB, Create Password, Class, School Name, Address, District, State etc. and then the entered data will be verified by VVM admin by sending OTP's on registered mobile number and Email Id respectively. Both the OTP's will be different and required to be entered for completion of verification process.
- Now students will be provided with an option to make the online payment after logging into the website. They can select a payment option using the payment gateway.
- After completion of registration process, the student will be provided with a unique username (on registered email id) and password (encrypted format).

- Date for the examination will be pre-selected (either 30th November or 05th December, 2021) and students will not be allowed to make any changes in the same. Student has to arrange for a device with good internet connectivity on the date and time of examination.
- Students can give exam only once, either on 30th November, 2021 (working day) or on 05th December, 2021 (non-working day).
- The students registered through this category will be considered for evaluation based on their school address mentioned during the registration.
- The student must also specify the details of the device (as the App for each device varies) from which he is planning to take the exam in order to download the VVM Exam App 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.

(B) SCHOOL/INSTITUTE AND STUDENT REGISTRATION:

We encourage bulk registration through the school/institute. To register under school/institute category, a minimum of 10 students per class have to be registered.

STEP – I: Appointment of School/Institute Exam Coordinator

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

STEP – II: Registration of School/Institute

- Enter the details of the school like School/Institute Name, School/Institute Address, Name of the Principal, Name of the Exam Coordinator, Mobile Number, Email Id etc. This information will be displayed as school/institute profile on the VVM website.
- The entered data will be verified by VVM admin by sending OTP's on registered Mobile Number and Email Id respectively. Both the OTP's will be different and required to be entered for completion of verification process.
- After completion of verification the school/institute will be provided with a Unique Referral Code, visible after logging in their dashboard which can be distributed to students.

STEP – III: Registration of Students from School/Institute

- Exam coordinator can ask the students of his/her school/institute (who wish to take up the VVM online exam) to register in individual student category and complete the registration by paying a fee of Rs. 100/-. Once they are provided with login credentials, they will be able to enter the Unique Referral Code in their dashboard after logging into their account. As soon as the students will enter the Unique Referral Code in their dashboard, they will be automatically added to school dashboard.
- The exam coordinator has two other options to register the students:
 - Online – One by one online entry of the student details.
 - Offline – The coordinator enters minimal details like Name of the 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 reflected on the website as student profile.
- 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 provided with an option to make the payment.
- After the successful submission of exam fee the exam coordinator will be provided with each student's username and password via email and these details will also be available on the school dashboard. He/she will be required to distribute the same to the respective students. The login credentials of students will not function till the fee payment status is not updated.
- After this the job of exam coordinator is complete, unless modification of a student's details is needed.

STEP – IV: Creation of Student Profile

- After first time login, students will be required to update/change their password (mandatory).
- Student can complete their profile after logging to the website. In the student profile page, the details of the student like profile photo, DoB, Father's Name, Mother's Name, Residential address etc. need to be uploaded.
- Date for the examination will be pre-selected and students will not be allowed to make any further changes in the same. Student has to arrange for a device with good internet connectivity on the pre-selected date and time of examination.

- The student must also specify the details of the device (as the App for each device varies) from which he is planning to take the exam in order to download the VVM Exam App compatible with his/her device.
- Student can confirm the details displayed or change the device by providing the details of the device he will use for taking the exam.
- The details of all the students registered from that school/institute will be accessible from the school/institute login. The authority to modify a student's profile rests only with the Principal or School/Institute Exam Coordinator.

FEE STRUCTURE:

1. Students registering individually or through school will have to pay a fee of Rs. 100/- (Rupees Hundred Only).
2. School/Institute coordinator is requested to retain Rs. 20/- per student as a service charge with school/institute and rest of the amount will be transferred only through Online Payment Mode to VVM Delhi office. In case of account payment, please ensure to upload the receipt & transaction id and submit the transaction details.

ABOUT DEVICES AND INTERNET FACILITY:

All the students will appear for the examination using their own devices with internet connectivity from their home. Students will have to ensure time-to-time update of VVM Exam App. They must also ensure that they use the same device that they had used to attempt mock exams. They should make sure that the device is fully charged and App is working properly if they are using any other device.

EXAM APPLICATION (APP) DOWNLOAD AND INSTALLATION:

Once the registration process is complete, the Exam App will be made available for download from the profile page of the student. The 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 App 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 same by attempting Mock Exams. Students will have to update it regularly and for this purpose he/she will have to allow push notification from this App to update notifications.

NOTIFICATIONS AND MOCK TEST:

To build confidence of the students and to make the exam user friendly, mock tests will be conducted regularly. The registered students will get regular notifications regarding availability of mock exams. On the specified date and time, the student can login in Exam App and take the mock test. Mock Tests will begin from 01st November, 2021.

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

FINAL EXAMINATION:

Four 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 prior to the exam date. After 27th November, 2021, the App will be available for download (link will be enabled) for all those appearing in the examination on 30th November and/or 05th December, 2021.

The student will not be able to appear for the exam without the latest App (updated version) installed in the desired device. Either on 30th November or on 05th December, 2021, students can login in the Exam App anytime from 10:00AM to 08:00PM to write the exam with his/her selected device (mobile/tablet/laptop).

On receiving this request the App 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 Exam App ID to make sure that the student is using the latest version of the App.
- d) After successful verification students will be asked for Invigilator Key which will be available in the Exam App itself. Once the Invigilator Key is entered the exam will start at the stipulated time.

No student will be allowed or will be able to login before 10:00AM or after 08:00PM. Students can login only once, either on 30th November or on 05th December, 2021.

- Students will have to click on Go To Exam button in Exam App screen to write the exam
- Students will see the Instructions on the first page. He/she is requested to read all the instructions carefully and then click the "I Agree" button given at the end of the same to start the exam.
- There will be two sections.

Section-A

- o Students will be provided 30 minutes to answer 40 questions of Section-A.
- o The student will be able to see only one question at a time.
- o He/She will be able to review the answers of section-A, until or unless the final submission of the answers for the section or before completion of the time duration i.e. 30 minutes. After that he/she will be redirected to the Section-B.
- o Student can edit or change the answers by clicking on the review tab and question number only before the submission of the answers for this section or completion of the time duration.

Section-B

- o Students will be provided 60 minutes to answer 60 questions in Section-B.
 - o The student will be able to see one question at a time.
 - o He/she will be able to review the answers in this section until or unless the final submission of the answers for this section or before the completion of the time duration i.e. 60 minutes. After that he/she will be redirected to the Final Submission of Answer Sheet.
 - o Student can edit or change the answers by clicking on the review tab and question number only before the submission of the answers for this section or completion of the time duration.
 - o After that he/she will be redirected to the Final Submission of Answer Sheet.
- The top panel of the App will display the statistics regarding the number of questions Answered, Marked for Review, Time Left, etc.
 - 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 a Submission notification and he/she will not be able/allowed to write the exam again. After completion of the exam time students need to upload answer sheets via all three options namely 1) Upload Answer Sheet, 2) Upload File and 3) Send Email (auto drafted and attached, students just need to click on send email button).

In case of connection failure, the answers will be saved automatically by the application to the local system in an encrypted format. The student can upload the answer sheet within the time window provided.

REGISTRATION: Registration will be available only through online mode on VVM's website <https://www.vvm.org.in>.

Eligibility	Students from class VI to XI studying under CBSE, ICSE and State Boards
Language	English, Hindi, Marathi, Tamil, Telugu, Kannada, Bengali, Gujarati, Punjabi, Odia, Malayalam, Assamese
Exam Venue	Home
Registration	Opens on 07 th August, 2021
	Closes on 31 st October 2021
Fee	Rs. 100/- (Rupees One Hundred)
Mode of Payment	Through payment gateway and ONLINE (RTGS/NEFT) payment only. NO CASH / DD / Cheque will be acceptable. Exam Coordinators depositing fee directly in VVM's account are requested to retain deposit slip with Transaction ID, Date & Time to be upload (in .jpeg format) on VVM offline payment mode option provided in their dashboard. Fee payment status will be updated after 48hrs of uploading the deposit slip/receipt.
ONLINE Payment Details	Current Account Number: 7009607017 Account Name: VIDYARTHI VIGYAN MANTHAN IFSC code: IDIB000D008 Branch Name & Add: Indian Bank, Defence Colony, New Delhi
Website URL	https://www.vvm.org.in

IMPORTANT DATES TO REMEMBER:

Upload of VVM Study Material	15 th August, 2021
Mock Tests	01 st November, 2021 onwards
Date of Examination (Login any day)	Tuesday, 30 th November, 2021 or Sunday, 05 th December, 2021
Time of Examination	10:00 AM to 08:00 PM (90 minutes) Students will be able to login only once.
Declaration of Result	20 th December, 2021
One or Two-day State Camp	9 th , 16 th & 23 rd January, 2022 (any one day)
Two-day National Camp	14 th & 15 th May, 2022

* Above schedule may change according to the situation of the pandemic and/or as per the directives of Government of India.

MENTORS AND PATRONS

- 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
- Sh. Jayant Sahasrabudhe, Organising Secretary, Vijnana Bharati
- Dr. Sridhar Srivastava, Director, NCERT
- Sh. Manoj Ahuja, Chairperson, CBSE
- Dr. Nakul Parashar, Director, Vigyan Prasar

ADVISORS

- Ms. Nidhi Pandey, Commissioner, Kendriya Vidyalaya Sangathan
- Sh. Vinayak Garg, Commissioner, Navodaya Vidyalaya Samiti
- Dr. Joseph Emmanuel, Director (Academics), Central Board of Secondary Education
- Dr. Biswajit Saha, Director (T&SE), Central Board of Secondary Education
- Sh. M. C. Sharma, General Secretary, Council of Boards of School Education in India
- Sh. J. M. Kashipati, Organizing Secretary, Vidya Bharati
- Dr. Sudhir S. Bhadauria, Secretary General, Vijnana Bharati

National Convenor Dr. Arvind C. Ranade, Noida, Uttar Pradesh E-mail: arvind@vvm.org.in	National Co-Convenor Dr. Mayuri Dutt, Kolkata, West Bengal E-mail: mdutt@vvm.org.in
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IT Team Member Sh. Rajesh K. Upadhyay, Pune, Maharashtra	IT Team Member Sh. Nandkumar Palkar, Thane, Maharashtra
Technical Executive and Support Sh. Rohit Sawant, Pune, Maharashtra	

STUDENTS ENGAGEMENT TEAM

- * Dr. G. S. Murthy, IIT Indore, Madhya Pradesh
- * Dr. Prashant Kodgire, IIT Indore, Madhya Pradesh
- * Dr. Brajesh Pandey, SIT, Pune, Maharashtra
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- * Dr. Sachin Ghude, IITM, Pune, Maharashtra
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STUDENTS SCIENCE ACTIVITIES FOR VVM 2021-22

We are what we eat is not an exaggerated statement. A healthy diet is the most effective tool to fight diseases. However, our modern lifestyle has altered our food habits. Incidentally, our choices of food and lifestyle are closely related to our physical and mental health, and thus our overall wellness.

With this in mind, VVM 2021-22 is coming up with a unique opportunity for registered participants this year.

The Mega Nation-Wide Experiment, a novel endeavour of VVM, is an experiment based on the food habits of students, nutritional value of the food they partake, and its environmental impact. The objectives of this mega experiment are inculcating observational skills, a scientific mindset, and analytical thinking among our students.

The experiment will be performed in three stages. In the first stage, students will document the details of breakfast (or the first large meal of the day) items they had during a period of one week. The next two stages will be dependent on the information gathered in the first stage.

In the later stages of the experiment, students will perform tabulation and categorization of their data, in addition to a small write-up in less than 100 words. The details of subsequent stages, which will cover many aspects, will be shared with the VVM participants in due course of time. The findings of the Mega Nation-Wide Experiment will be published on the VVM website to let students know where they stand vis-à-vis the larger picture.

The whole experiment is conceptualized in such a way that the participating students will make several observations, analyze their food habits and lifestyles, and carry out some preliminary measurements and calculations. Additionally, one of the main objectives of the mega nation-wide experiment is to spread awareness about the current environmental challenges. We strongly believe that students will be able to situate themselves within the national framework and determine their rate of carbon emission, scope for improvement, and means of doing the same. The experiment is expected to make the participants aware of the medicinal role of food partaken, if consumed in the right way.

The complete outcome of the Mega Experiment with its objectives, findings and impact on the national scenario will be shared during the National Camp of Vidyarthi Vigyan Manthan 2021. The results will also be shared with concerned institutions, government agencies, and policy-makers.

We look ahead at conducting this experiment successfully with the cooperation of all stakeholders.

ABOUT ORGANISERS

VIJNANA BHARATI



Vijnana Bharati (VIBHA) is a national movement for the propagation and popularization of Science and Technology among students and masses. VIBHA promotes scientific contributions made by India from ancient to present time. At present we are the largest scientific organization with 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.

NATIONAL COUNCIL OF EDUCATIONAL RESEARCH & TRAINING



एन सी ई आर टी
NCERT



National Council of Educational Research & 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. The major objectives of NCERT and its constituent units are to: undertake, promote and coordinate research in areas related to school education; prepare and publish model textbooks, supplementary material, newsletters, journals and develop educational kits, multimedia digital materials, etc.

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