

**GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI**  
**DIRECTORATE OF EDUCATION; SCIENCE BRANCH**  
**OLD GARGI COLLEGE BUILDING; LAJPAT NAGAR-IV; NEW DELHI-110024**  
Ph. No.: 26280410/13/26217881; email: sciencebranch@gmail.com; Off. ID: 5000010

F.DE.40(6)/7/Sc.Br./N.Sc.Drama/2017/ 609610

Dated: 10/8/17

CIRCULAR

Sub: Guidelines/ Rules & Regulations for National Science Seminar, National Science Drama & State Level Science Exhibition – Academic year 2017-18.

Science Branch, Dte. of Education is entrusted to organize **National Science Seminar, National Science Drama & State Level Science, Mathematics & Environment Exhibition** as a regular annual feature for the Students studying in Govt./Govt. Aided/Un-Aided Schools of GNCT of Delhi.

National Science Centre, New Delhi has provided Topics/Themes (sub-themes) along-with Rules & Regulations for participation in National Science Seminar & National Science Drama. Whereas, NCERT, New Delhi has provided Guidelines (including themes & sub-themes) for the preparation of Exhibits and Models as well as guidelines for organizing State Level Science, Mathematics & Environment Exhibition:2017-18.

**Details of Themes:**

| Sr. No. | Activity                       | Participation Class | Maximum Nos. of Participants           | Duration of the activity            | Topic   | Activity Schedule   |
|---------|--------------------------------|---------------------|--|-------------------------------------|---|---|
| 1.      | National Science Drama         | VI to X             | 08 students                            | 30 minutes                          | Swachh Bharat: Role of Science and Technology                       | 1 <sup>st</sup> week of September. 2017<br>Organized Science Centre I,II,III & IV |
| 2.      | National Science Seminar       | VIII to X only      | Team of 02 Students                    | 06 minutes + 2 min. Question Answer | Swachh Bharat: Role of Science & Technology Promises and Challenges | 1 <sup>st</sup> week of September. 2017<br>Organized Science Centre I,II,III & IV |
| 3.      | State Level Science exhibition | I to XII            | 180 Projects<br>180 x 2 = 360 students | Full day                            | Innovations for Sustainable Development                             | 2 <sup>nd</sup> week of December,2017<br>Organized Science Branch                 |

The Guidelines and Rules are appended herewith for information and necessary guidance to all concerned for further preparation of above referred events.

WJ

All Zonal/Distt./Centre Level activities should be completed as per Science calendar, a part of Annual calendar for the session 2017-18, available vide circular No. DE.23 (03)/Sch.Br./2017/Vol-I/369 dated 10/03/2017.

Encls: As above.

*MS*  
10.8.2017

(MADHU SINGH)  
Dy. DIRECTOR OF EDN.(SCIENCE)

F.DE.40(6)/7/Sc.Br./N.Sc.Drama/2017/609-610

Dated: 10/8/17

Copy to:-

1. All the Principals/HoS (Govt./Govt. Aided & Un-aided recognized Schools of GNCT of Delhi), Delhi / New Delhi for information & guidance.
2. The OS(IT), with the request to upload this circular as **POP-UP** before login in the official website of Dte. of Education for large scale publicity/display of the Circular.

*MS*

(MADHU SINGH)  
DY. DIRECTOR OF EDN.(SCIENCE)

## NATIONAL SCIENCE SEMINAR -2017

### BASIC INFORMATION FOR SCIENCE SEMINARS UPTO STATE LEVEL

Topic of the Seminar : **Swachh Bharat : Role of Science & Technology Promises and Challenges.**

Topic in Hindi : स्वच्छ भारत: विज्ञान एवं प्रौद्योगिकी की भूमिका  
संभावनाएँ और चुनौतियाँ

Organized by : National Council of Science Museums  
(Ministry of Culture, Govt. of India)  
Sector-V, Block-GN, Bidhan Nagar, Kolkata-700 091

Venue : Birla Industrial and Technological Museum  
19A Gurusaday Road,  
Kolkata - 700019  
Phone: 033-22877241/7142/7243  
Fax: 033-22870233  
Email: [bitmnss2017@gmail.com](mailto:bitmnss2017@gmail.com)

Date : 9<sup>th</sup> November, 2017

### RULES & REGULATIONS

Introduction: The objective of the Science Seminar is to inculcate a spirit of scientific enquiry and analytical thinking in the minds of young students. The Science Seminar will be held on a competitive basis in each State & Union Territory. The topic of the Science Seminar is deliberated generally from School, Block, District and State level. Winner from each School participates at Block Level. Winners of Block level participate at District Level competition. Two Winners from each District participate in State/ UT level contest and **only one Winner from each State/ Union Territory** is eligible for National level Science Seminar, which will be held at Birla Industrial and Technological Museum, Kolkata on Thursday the 9<sup>th</sup> November, 2017.

Participants : High School Students from Class VIII to Class-X only.

Language : English, Hindi or any recognized Indian language

Duration : Participants shall make his/ her presentation on the given topic for a maximum duration of 6 minutes. This will be followed by a two minutes Question-Answer session with the Judge's on the same topic.

Pattern : Each participant of the State/ Union Territory Science Seminar will be asked 3 (three) questions after the presentation by the judges and the participants will be required to answer any 2 questions asked in two minutes. There will be a written aptitude test for all the participants before the Seminar starts.

|         |   |   |                 |
|---------|---|---|-----------------|
| Grading | : | 1. Scientific content in presentation   | - 40 marks      |
|         |   | 2. Fluency in Speech  | -25 marks       |
|         |   | 3. Ability to answer questions  |                 |
|         |   | (a) A written Aptitude Test of<br>20 questions (20 min. maximum)                      | -10 marks       |
|         |   | (b) Answer to Oral Questions on the spot<br>After presentation (2 out of 3 questions) | - 10 marks      |
|         |   | 4. Novelty in use of visuals  | -15 marks       |
|         |   |   | -----           |
|         |   |   | Total -100marks |
|         |   |   | -----           |

Supplementary Visuals: The Maximum number of supporting visuals/ slides/ Charts etc. permitted per participant is 5 (five only). The details of these are as given below:

- (a) Charts/Posters- maximum size permitted is 850mm (width) x 600mm (height). All Charts/posters are to be mounted one on top of other, as done in a calendar. One side of the chart/ poster is considered as one unit. There should be no pop-ups OR
- (b) Slides should be of 35 mm format mounted in plastic frame preferably OR
- (c) The size of the over head projector slides should not be more than A4 size, which would be viewed fully when projected OR
- (d) Computer based slides static (Office 2000.ppsx & .pptx format) without additional features like animation, pop-ups, roll-over etc. No interaction within one slide is permitted.

**Note: 3D models, Videos and films are not allowed to be shown during the deliberation/ presentation.**

**Prizes:** As decided by the organizers of State/ Union Territory level Science Seminars.

**Date:** As announced by the State/ UT organizing authority (like State/ UT Education Dept./ SCERT/SISE/SIE etc.). However, all contests in States/ UTs must be completed on or before 19<sup>th</sup> September, 2017. (This is mandatory to enable participants to prepare for National Level Seminar).

**Special Note:** At the time of deliberation, no Teacher or Escort shall be allowed to assist the participants on the dais except for physically challenged students.

**Information to the organizer:**

The details of the Seminar at each District level and at State Level may be sent to this Birla Industrial and Technological Museum, 19A Gurusaday Road, Kolkata - 700019 along with photographs of the event. During the State Level Competition, a banner showing the details of the sponsor (to be communicated by us later) may be displayed and a photograph of the banner with the participants may be sent to the National Coordinator for records.

\*\*\*\*\*



# National Science Drama Festival 2017-18

**Venue:** National Science Centre  
National Council of Science Museums (Ministry of Culture, Govt. of India)  
Near Gate no.1, Pragati Maidan, New Delhi- 110001  
[e-nscdi01@gmail.com](mailto:e-nscdi01@gmail.com) [www.nscd.gov.in](http://www.nscd.gov.in)

**Date:** January 2018

## RULES and REGULATIONS

The aim of this programme is to encourage the students, teachers and other science communicators to explore and experiment with the dramatic form as a means of science communications. **Theatre** or **Drama** is an age-old cultural form of our society used for entertainment, recreation and also as a medium of social interaction to put across the social message, in other words, correcting the society in an indirect way, to bring a social change. To realize the effectiveness of this medium and also to involve more youngsters to participate in this creative medium, Science **Drama Festival** is organized. Initially this will be held in the Taluk, District, State, Zonal Level and eventually at the National Level. This is an opportunity to bring the students of different states, languages and culture to interact, exchange and explore this medium of education - **Theatre**.

**Who Can Participate:** School Students studying from Class VI to Class-X

**Theme and sub-themes:** Theme: Science & Society **विज्ञान एवं समाज**

Sub-themes: 1. Swachh Bharat: Role of Science and Technology

**स्वच्छ भारत: विज्ञान एवं प्रौद्योगिकी की भूमिका**

2. Cleansing of Rivers

**नदियों की सफाई**

3. Digital India

**डिजिटल भारत**

4. Green Energy

**हरित ऊर्जा**

**While preparing the scripts, following points are to be kept in the mind:**

1. The drama should not be an academic exercise and boring. It should convey emotional, as well as aesthetic experience to the performers and also to the audience.
2. It should totally engage the audience and convey educational message indirectly. The performers and the audience should feel happy that they have understood/ learnt something in.

*Aditya*

3. While writing the script, care should be taken regarding the settings, duration of the play and also the number of actors taking part in the drama.

### **Important information for the Participants:**

1. Duration of the drama should not be more than **30 minutes**.
2. There should not be more than 8 characters (as a team for easy mobility)
3. It should convey scientific message related to the theme as mentioned above.
4. The drama team should be able to set up the props and other necessary requirements to stage within 5 minutes.
5. The language should be easy to follow (more of visuals preferred)
6. The drama may be in any Indian language (official).
7. The drama may have costumes, dance, music, mime and also models to enhance the interest and credibility of the drama.
8. Written posters/ banners/ Audio-visuals aids/ backdrops can be used for illustration.
9. The participating school has to submit an authentic Hindi and English translation of the script to the organizer well before staging the drama.
10. Passport size photographs of the participants of the best Drama and the photographs of the performance of the drama are to be sent along with the Participants' Details.

### **Judgment (100 marks):**

|   |   |    |
|---|---|----|
| a. <b>Presentation</b> of the drama       | - | 50 |
| b. <b>Scientific content</b> in the drama | - | 30 |
| c. <b>Effectiveness</b> of the drama      | - | 20 |

### **Prizes:**

Following prizes will be awarded as per the judges' decision:

1. Best Drama- Three Prizes  
(First, Second & Third Prizes depending on overall performance by the team members)
2. Best Director- One Prize
3. Best Script writer- One Prize
4. Best Actor- One Prize
5. Best Actress- One Prize

### **Different Levels of the Competition:**

In order to organize the Science Drama Competition at the National level, it is important to organize the competition at:-

1. Taluk (town) level
2. District level
3. State level
4. Zonal level



In order to have good support for the Competition related to:-

- a. more number of entries
- b. meet the expenses for staging of the drama
- c. travelling and boarding expenses of team
- d. prizes
- e. and other facilities for the drama team, it is very essential to have cooperation of the education deptt., and other NGO's, cultural and social organization like Rotary, Lions or Drama clubs. Hence, a Committee may be formed at different levels and also invite financial and other assistances from respective State Education Departments for smoothly conducting the competition.
- f. District, State and Zonal level competitions will be held in advance since National level will be held at Nehru Science Centre, Mumbai, in January 2018.

**Scripts:**

In order to get the drama scripts on the suggested theme and sub-themes:

- a. A workshop may be organized involving the teachers regarding the idea about writing a script and also informing them the sources to collect the relevant information for writing a good and enjoyable script.
- b. Script competition may also be conducted in order to get more number of scripts. The competition would also help to involve others interested, apart from the teachers.

**Theater in Education:**

This programme will encourage the society to devise and present a great variety of topics in dramatic form to supplement learning subjects like Science or Technology and programme of topical issues.

Of all theatre forms, theatre in education is perhaps the most difficult to convey in print. A great imagination effort is required in order to sense the real programmes beneath the texts.

\*\*\*\*\*





**State Level Science, Mathematics and Environment  
Exhibition  
for Children- 2017-18**

**GUIDELINES FOR THE PREPARATION OF EXHIBITS &  
MODELS**

The Theme, Sub-themes/Areas for **State Level Science, Mathematics & Environment Exhibition (SLSMEE): 2017-18** and 45<sup>th</sup> Jawaharlal Nehru National Science, Mathematics & Environment Exhibition (JNNSME) -2018 are as under. **The same sub-themes/areas will apply for Zonal Level as well as Science Centre Level Exhibitions;**

**MAIN THEME:** "Innovations for sustainable development".

सतत विकास के लिए नवाचार

**SUB-THEME / AREAS suggested by NCERT:**

1. Health and Well-being;  
स्वास्थ्य और कल्याण
2. Resource Management and Food Security;  
संसाधन प्रबंधन एवं खाद्य सुरक्षा
3. Waste Management and Water Body Conservation;  
अपविष्ट प्रबंधन और जल निकास सुरक्षण
4. Transport and Communication;  
परिवहन और संचार
5. Digital and Technological Solutions;  
डिजिटल एवं तकनीकी समाधान
6. Mathematical Modeling.  
गणितीय मॉडलिंग

**Other Sub-Themes**

1. Primary Science
2. Middle Science
3. SUPW

(Areas listed above are suggestive. Students are free to choose any other area and develop exhibits involving Science and Mathematics for a Sustainable World)

For Detailed guidelines on preparation of Exhibits and Models for SLSMEE-2017-18, participants are requested to visit following web address:-

<http://www.ncert.nic.in/departments/nie/desm/publication/pdf/SLSMEE-2017-15%E2%80%93GuidelinesEnglish.pdf>

\*\*\*\*\*

*ADW*



## Other Science Based Activities

### 1. Science Debate Topic : Mobile: A Convenience or A Problem

मोबाईल : एक सुविधा या एक संकट

Participants can choose to speak in favor or against the topic

Time Duration: 06 Minutes

(Class VIII to X Students)

### 2. Science Quiz Topic : Indian Fauna & National Park/ Wild Life Sanctuary

भारतीय जैव सम्पदा एवं राष्ट्रीय उद्यान / वन्य जीव अभयारण्य

A team of three students can take part from each school.

(Class IX to XII Students)

### 3. Poster + Slogan Topic :

Senior Category (IX to XII); **Improving Air Quality** वायु गुणवत्ता में सुधार

Junior Category (VI to VIII): **Healthy Food** पौष्टिक आहार

Sub Junior (I-to V): **Make Our Planet Green** अपने ग्रह को बनाये हरा

Size 60 cm. x 90 cm. (Strictly Vertically Drawn)

### 4. Photo + Slogan Topic :

Senior Category (IX to XII); **Donate Organs**

अंग दान

Junior Category (VI to VIII): **Petroleum Pollution**

पेट्रोलियम से प्रदूषण

Sub Junior (I-to V): **Health & Hand Wash**

स्वास्थ्य और हाथों की सफाई

Size 30 cm. x 60 cm. (Strictly Horizontally Drawn)

### 5. Scientoon Topic : Any Scientific Theme

कोई भी वैज्ञानिक विषय

Size: 60cm x 90 cm,- Vertically Drawn

8527491984

Mh  
10-8-2017

**DIRECTORATE OF EDUCATION: SCIENCE & TV BRANCH**

**List of Zonal Conveners for Zonal Level Science Activities & Science Exhibition received from Concerned Districts for the year 2017-18:**

| Sr. No/<br>Zone No. | School<br>ID | Zone Convener/ Name of School               |
|---------------------|--------------|---|
| <b>1.</b>           | <b>2.</b>    | <b>3.</b>                                   |
| 1.                  | 1001104      | RPVV Surajmal Vihar, Delhi                  |
| 2.                  | 1002004      | SBV No.2 Shakarpur, Delhi                   |
| 3.                  | 1003261      | RPVV Gandhi Nagar, Delhi                    |
| 4.                  | 1104004      | GBSSS Gokal Pur Village, Delhi              |
| 5.                  | 1105110      | MBPBM, SKV, G.T. Road, Shahadara, Delhi     |
| 6.                  | 1106025      | GGSSS, C-Block, Dilshad Garden, Delhi       |
| 7.                  | 1207108      | RPVV, Rajniwas Marg, Delhi                  |
| 8.                  | 1208013      | SKV, Gulabi Bagh, Delhi                     |
| 9.                  | 1309030      | SKV BL-Block, Shalimar Bagh, Delhi          |
| 10.                 | 1310410      | RPVV, Pocket 5 & 6 Narela, Delhi            |
| 11.                 | 1411005      | SV Kailash Enclave, Delhi                   |
| 12.                 | 1412024      | SKV H-Block, Mangolpuri, Delhi              |
| 13.                 | 1413067      | SKV Prashant Vihar, Delhi                   |
| 14.                 | 1514019      | GSKV B-Block, Janakpuri, New Delhi          |
| 15.                 | 1515006      | GBSSS No.1, Rajouri Garden Exten. N.D.      |
| 16.                 | 1516002      | SBV Ramesh Nagar, New Delhi                 |
| 17.                 | 1617008      | SV Co-Ed. SSS, B-4, Paschim Vihar, Delhi    |
| 18.                 | 1618059      | GBSSS Binda Pur, New Delhi                  |
| 19.                 | 1719104      | G.Co-Edn. SSS, Sec-5, R.K. Puram, New Delhi |
| 20.                 | 1720181      | RPVV Vasan Kunj, New Delhi                  |
| 21.                 | 1821026      | SKV Chhawla, New Delhi                      |
| 22.                 | 1822003      | SV Surhera, New Delhi                       |
| 23.                 | 1923013      | GBSSS Begumpur, New Delhi                   |
| 24.                 | 1923063      | SKV Aya Nagar, New Delhi                    |
| 25.                 | 1925003      | KGSBV Chirag Enclave, New Delhi             |
| 26.                 | 2026001      | Dr. RPSV President Estate, New Delhi        |
| 27.                 | 2127021      | SKV Bulbuli Khana, New Delhi                |
| 28.                 | 2128019      | SKV Swami Dayanand Old Rajinder Nagar       |
| 29.                 | 1925250      | GGSSS No.2 Tughlaka Bad, New Delhi          |

