

**GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI**  
**DIRECTORATE OF EDUCATION; SCIENCE BRANCH**  
**OLD GARGI COLLEGE BUILDING; LAJPAT NAGAR-IV; NEW DELHI-110024**

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F.DE.40(6)/7/Sc.Br./N.Sc.Drama/2014/ 720-21

Dated: 01/8/14

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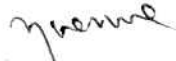
Sub: Guidelines/ Rules & Regulations for National Science Seminar, National Science Drama & State Level Science Exhibition – Academic year 2014-15.

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:2014-15.

All the above referred Guidelines and Rules and Regulations are appended herewith for information and necessary guidance to all concerned for preparation for the above referred events.

Encls: As above.



(NEELAM VERMA)

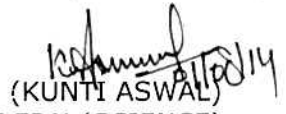
ADDL. DIRECTOR OF EDN.(SCIENCE)

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Copy to:-

1. 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.



DY. DIRECTOR OF EDN.(SCIENCE)

# NATIONAL SCIENCE SEMINAR -2014

## BASIC INFORMATION FOR SCIENCE SEMINARS UPTO STATE LEVEL

Topic of the Seminar	:	Innovations in Agriculture for a Sustainable future: Prospects & Challenges
Topic in Hindi	:	सतत भविष्य के लिए कृषि में नवप्रवर्तन : संभावनाएँ एवं चुनौतियाँ
Organized by	:	National Council of Science Museums (Ministry of Culture, Govt. of India) Sector-V, Block-GN, Bidhan Nagar, Kolkata-700 091
Venue	:	Visvesvaraya Industrial and Technological Museum Kasturba Road, Bangalore- 560 001 Phone: 080-22864009/22866200 Fax: 080-22864114/ 22864009 Email: <a href="mailto:vitmuseum@gmail.com">vitmuseum@gmail.com</a>
Date	:	11 <sup>th</sup> October, 2014

### 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 Competition, which will be held at Visvesvaraya Industrial and Technological Museum, Kasturba Road, Bangalore on Saturday the 11<sup>th</sup> October, 2014.

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	:	<table><tr><td>1.</td><td>Scientific content in presentation</td><td>- 40 marks</td></tr><tr><td>2.</td><td>Fluency in Speech</td><td>-25 marks</td></tr><tr><td>3.</td><td>Ability to answer questions</td><td></td></tr><tr><td>(a)</td><td>A written Aptitude Test of 20 questions (20 min. maximum)</td><td>-10 marks</td></tr><tr><td>(b)</td><td>Answer to Oral Questions on the spot After presentation (2 out of 3 questions)</td><td>- 10 marks</td></tr><tr><td>4.</td><td>Novelty in use of visuals</td><td>-15 marks</td></tr><tr><td colspan="2"></td><td>-----</td></tr><tr><td colspan="2"></td><td>Total -100marks</td></tr><tr><td colspan="2"></td><td>-----</td></tr></table>	1.	Scientific content in presentation	- 40 marks	2.	Fluency in Speech	-25 marks	3.	Ability to answer questions		(a)	A written Aptitude Test of 20 questions (20 min. maximum)	-10 marks	(b)	Answer to Oral Questions on the spot After presentation (2 out of 3 questions)	- 10 marks	4.	Novelty in use of visuals	-15 marks			-----			Total -100marks			-----
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- 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 before 1<sup>st</sup> week of September, 2014. (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.

**Information to the organizer:**

The details of the Seminar at each District level and at State Level may be sent to this Visvesvaraya Industrial & Technological Museum, Kasturba Road, Bangalore-560 001 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.

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## **National Science Drama Festival 2014-15**

**Venue:** National Science Centre, Near Pragati Maidan, New Delhi- 110001  
[e-nsdf14@gmail.com](mailto:e-nsdf14@gmail.com)      [www.nscdelhi.org](http://www.nscdelhi.org)

**Date:** January 2015

### **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
Sub-themes:	1. Recycling for a Greener Future
	2. Food Nutrition & Health
	3. Life & works of Scientists
	4. Harnessing Renewable Energy

### **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.
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 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>Scientific content</b> in the drama | 30 |
| b. <b>Presentation</b> of the drama       | 50 |
| 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
- (The judges can recommend additional prizes)

**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 National Science Centre, New Delhi in January 2014.

**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.

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## State Level Science, Mathematics and Environment Exhibition for Children- 2014-15

### GUIDELINES FOR THE PREPARATION OF EXHIBITS & MODELS

The Theme, Sub-themes/Areas for State Level Science, Mathematics & Environment Exhibition (SLSMEE): 2014-15 and Jawahar Lal Nehru National Science, Mathematics & Environment Exhibition (JNNSME) -2015 are as under. **The same sub-themes/areas will apply for Zonal Level as well as Science Centre Level Exhibitions;**

**MAIN THEME: Science and Mathematics for a Sustainable World.**

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

1. Community Health and Environment;
2. Landmarks in Science and Mathematics;
3. Information and Communication Technology;
4. Energy-Resources and Conservation;
5. Transport;
6. Waste Management.

**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-2014-15, participants are requested to visit following web address:-

<http://www.ncert.nic.in/departments/nie/desm/publication/pdf/SLSMEE-2014-15%E2%80%93GuidelinesEnglish.pdf> (specifically please see page-3-7).

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