

BAL BHARATI PUBLIC SCHOOL, ROHINI
INTER SCHOOL CHEMISTRY COMPETITIONS
WEDNESDAY, 19 JULY 2017

General Instructions:-

1. Registration time for teams is 8:00 a.m. to 8:30 a.m.
2. Teams must adhere to the registration time.
3. The dress code for students is white uniform and school shoes.
4. The identity of the school must not be disclosed.
5. The decision of the judges will be final and binding.
6. The submissions by the students will not be returned post the judgement.
7. The school which scores the highest marks as the combined total of all four activities will be awarded the Overall Trophy.
8. The host school will participate but not compete.
9. Dully filled entry forms to be mailed at bbpsrohini.chem.quarks.org latest by 10 July 2017.

ACTIVITY - ONE
WONDERS WITH GLASSWARE

No. of participants: Two

Eligibility: VI-VII

Time limit: 1 Hour

Venue: Chemistry lab

1. Teams will be allowed to pick up any ten pieces of chemistry apparatus of their choice from the bulk made available to them by the host school.
2. Teams will be required to make one assembled decorative masterpiece using maximum no. of apparatus picked.
3. Teams should bring their own decorative and adhesive material to create decorative masterpiece.
4. The team will be given a chance to describe their decorative masterpiece.
5. The criteria for judgement will be (i) number of apparatus used (ii) creativity & imagination (iii) presentation (iv) originality (v) design.

ACTIVITY – TWO
SCIENCE PROBE

No. of participants: Two

Eligibility: Class VIII

Time limit: 30 min (Stage I)
30 min (Stage II)

Max Marks: 30 marks (Stage I)
20 marks (Stage II)

Venue: Computer Lab

1. In Stage I Quiz, each team will be given a questionnaire consisting of 20 MCQs having 4 options, one Evaluation based question and one Synthesis based question.
2. Each correct answer of MCQ will be awarded one mark. The Evaluation and synthesis based question will carry 5 marks each. No negative marking will be done.
3. Top six teams will qualify for Stage II which is concept map making.
4. In concept map making, each team will get same set of 20 clues relevant to a topic in chemistry.
5. Team will create a concept map using connecting words and arrows on A3 size sheet and will give a suitable title to the map.
6. The criteria for judgement for concept map will be (i) arrangement of clues (ii) links or branching used (iii) appropriate title.
7. Winning team will be declared by combining the score of stage 1 and stage 2.

ACTIVITY THREE
RENDEZVOUS WITH CHEMICALS

No. of participants: Two

Eligibility: Class IX-X

Time limit: 4-5 minutes

Venue: A.V Room

1. In each team, one participant should act as interviewer and other participant should act as an entity in chemistry.
2. The interviewer will ask relevant questions from the entity to elicit all information specific to the entity.
3. The team will be provided with a laptop and can use videos through pen drive during the interview.
4. The criteria for judgement will be (i) content (ii) concept clarity (iii) coordination between participants (iv) expression (v) use of audio-visual aids.

ACTIVITY FOUR **CHEMICAL COMBAT**

No. of participants: Two

Eligibility: Class XI-XII

Time limit: 4-5 minutes

Venue: Sr. Library

1. Each team is required to present a role play between two opponents who will personify the terms or processes of any pair from the given list:
 - Amorphous solids Vs Crystalline solids
 - First order kinetics Vs Second order kinetics
 - Mendeleev's Periodic law Vs Modern Periodic law
 - Inductive effect Vs Resonance effect
 - Basicity Vs Nucleophilicity
 - P-Block Elements Vs d-block Elements
 - Valence bond theory Vs Molecular orbital theory
 - Electrophilic substitution Vs Nucleophilic substitution
2. Through the role play the team must highlight the definition, properties, relevance, and differences etc. between the terms / processes.
3. Use of light weight props is allowed.
4. The criteria for judgement will be (i) content (ii) conceptual clarity (iii) presentation.

