

# SCH Events

## NUT CRACKER

### **On Website:**

Well finally here is the coffee that does not give you the crash. The Baristas have for you an outlet to express-o your creativity and marathon those brain muscles through the days of Takneek with questions well designed to bring out the creative in you as you try solving these questions that are crackers for sure.

**Eligibility:** Pool Event (Open to all)

**Points:** 25

### **Introduction:**

A problem set will be posted on the web on each day of Takneek. Your job is simple: just pick up a pen and paper, dive into the mystery, and send us your solutions before the deadline. The most innovative/elegant solution (and in case two are equally good, the first one to reach us) will win!

### **Rules and Regulations:**

1. One question will be uploaded every day on the four days of Takneek.
2. The questions may be from physics, chemistry, biology or mathematics. Pick up a pen and paper and get cracking.
3. Entries must be submitted through the same email ID each time in case of multiple submissions.
4. The deadline for every question is 24 hours after it has been uploaded.
5. The same pool may submit multiple solutions. The last solution submitted before the deadline will be evaluated by the coordinators (so make sure that you're happy with it!).
6. The maximum points will be given to the best (intuitive, elegant and creative) solution (or, in case of a tie, the one which reaches us first) which will be decided by the coordinators.
7. The total marks for every question will be mentioned along with the question.
8. At the end of the event, if there is a tie, we will send a tie-breaker question to the concerned pools (and, after the event, to anyone else looking to challenge their brain muscles).

Send your solutions as a pdf to [seek.iitk@gmail.com](mailto:seek.iitk@gmail.com) with the subject  
Nutcracker\_PoolName

# PSEUDORANDOM

## **On Website:**

If the name of this event did not puzzle you enough we have more puzzles to make sure of the same. Come in teams as you compete against each other and work through these brain ticklers that we have for you.

**Eligibility:** Team Event (Open to all)

**Total Points:** 25

## **Introduction:**

A surprise event consisting of puzzles and brain-teasers - this is sure to give your brains a considerable work-out. A strong cup of coffee is recommended before attending this event, as you will need to be alert to catch all the curveballs coming your way.

## **Rules and Regulations**

1. Teams must be of three or less members.
2. Each pool may send multiple teams.
3. You shall be armed with a pencil or a pen only (and erasers and sharpeners and highlighters if you must).
4. This will be a 2 round event:
  - a. Round 1: A written round for everyone
  - b. Round 2: The 8 top teams will progress to this round. The top team from each pool is assured of progress, and the next three teams with the highest points which are not the top teams in their own pool will also progress. The format of this round will be revealed on the spot.
5. In case of any dispute, the decision of the coordinators will be final.

# SCI TALK (5.9.2019)

So what is Science Coffeehouse? Well here we answer this question and if you love concepts and have fun understanding and explaining things then we have this event for you which at the same time also captures the essence of Science Coffeehouse.

**Eligibility:** Team Event (Y19 and Y18 only)

**Total Points:** 40

## **Introduction:**

The regulars at the good ol' coffeehouse know the importance of a good talk over a cup of warm Espresso. But the art of effective articulation of seemingly complex ideas isn't so easy. Are you up for the challenge?

## **Rules and Regulations:**

1. Each pool can send a team of up to 4 members.
2. All members have to be first-year or second-year students. There must be at least one first year student in each team.
3. Each team will be allowed to present for 30 minutes. A team might continue talking beyond this only if the coordinator decides so.
4. Questions might be asked to the team during or after the 30 minutes, so all the members should have a good grasp on the topic they present.
5. Presentations will take place in a lecture hall. Visual and audio aids can be used. Teams are encouraged to use the blackboard.
6. Topics can come from Physics, Mathematics, Computer Science, Linguistics, etc. Topics pertaining to philosophy, spirituality, metaphysics or pseudoscience will not be allowed.
7. Each pool must submit 3 abstracts (with title for the talk) in order of priority.
8. Each team must send the abstracts for their talk by 11:59pm, 3rd Sept., 2019.
9. References to research papers in the slides are encouraged. The content of the presentation must be more than a simple Google/Wikipedia search away.

## **Judging Criteria:**

1. Teams shall be judged on the basis of their presentation, questions posed, creativity, attentiveness, etiquette, enthusiasm and overall contribution to the intellectual environment of the conference.

In case of any discrepancy, the decision of the Coordinator will be final.

The winners will be given a chance to present the same talk in one of the Science Coffee House meetings.