



8TH NATIONAL
SCIENCE BEE
2019

Module Guidelines



Mind Maze



Introduction

The wonders of chemistry, the sophisticated biology or the depth of the realms. Science brings with it a whole new fantasy. This is where great minds come to battle. With teams having the best of people from their fields, here the true mind coordination comes into play. So gather up your skills and get ready to face our worthy opponents. Bring out the hidden scholar inside you and zoom through demanding tasks of this module. Ranging from the basics of science all the way to the mind breaking theories of relativity. This exhilarating module is designed to test your command on scientific knowledge.



Procedure

Mind Maze is divided into three riveting rounds of which all the teams will play the first two rounds and only top 8 teams based on the cumulative score of the first two rounds will qualify for the final round.

ROUND 1

This round consists of two parts

Part A

Part B

Part A (40 compulsory questions)

A question paper will be handed out to each team. The round will consist of content related to the following four subjects i.e. Physics, Chemistry, Biology, Math and IQ & Aptitude. The questions will be of types: MCQs, True/False and fill in the blanks. This round

will test the participant's basic knowledge i.e. general facts and their common application regarding the four subjects in question.

- Total number of questions will be 40.
- Each of the section will have questions as follow:
 - Chemistry: 5 Questions
 - Physics: 10 Questions
 - Biology: 5 Questions
 - Math: 10
 - IQ and Aptitude: 10 Questions
- Time limit for this round is 50 minutes.
- Participants will be awarded ONE point for each correct answer
- Negative 0.25 for each incorrect MCQ.
- Negative 0.5 for each incorrect true/false.
- No negative marking for fill in the blanks.

(Note: The marks might go into – ve and adversely affect the cumulative score of round 1 and round 2)

- Calculators are allowed for this round.

Part B

How much are you willing to risk? Do you fancy your knowledge of the Scientific Ideas to get you through this maze? Well, this round is designed to provide you with a platform to showcase your skills!

- Subjects:
 - Physics
 - Chemistry
 - Maths

- IQ
- Astronomy
- Questions from each subject will be presented before each team.
- Attempt as many as you can.
- Total time for this round will be 30 minutes.
- There will be a total of FOUR levels, with difficulty increasing with each subsequent level.
- Marks awarded for a correct answer for the respective levels are as follows:
 - Level 1: 5 marks
 - Level 2: 10 marks
 - Level 3: 15 marks
 - Level 4: 20 marks
- Marks deducted for an incorrect answer for the respective levels are as follows:
 - Level 1: 2.5 marks
 - Level 2: 5 marks
 - Level 3: 7.5 marks
 - Level 4: 10 marks
- No electronic devices will be allowed in the round.
- The participants will be provided with a sheet and pen.

NOTE: Negative marks are present and can adversely affect the cumulative score of the team which will affect their selection in round 2.

Round 2 (Rapid Fire)

This is the second mile you must run. With greater steepness, greater risk and surely a greater reward. Here, it's not just the knowledge, but also the understanding which comes into play. A round based on coordination, team play and trust.

- Each team will be given combinations of different subjects to choose from.

- A limited time will be allotted to each team.
- The teams will have to answer as many questions as possible (from the selected combination of subjects) to score maximum points.
- 1 point per question shall be awarded.
- Questions will be asked in ANY order until the time ends.
- No negative marking in this round.

Round 3

This will be the final round of Mind Maze and will be played by the top 8 teams which will be selected through the cumulative score of round 1 and round 2. The round has been divided into two stages, the 8 teams will be divided into 2 groups of 4 teams. Each group will compete in a buzzer round. The winners of each group will progress to the stage 2 which will be another buzzer round and between them a final victor will rise.

- In stage 1 a total of twenty questions will be shown on the screen and stage 2 that number will be decreased to 10
- Each correct answer will earn 7 points to the team.
- Each Incorrect answer will result in deduction of 3.5 points.
- Teams will be given 30 seconds after the buzzer has been pressed to answer the question.
- If any team pressed the buzzer while the question is being asked, we will stop at that
- point without completing the question and the respective team will have to answer it.
- If a team presses a buzzer they have to answer the question and will either gain 7 points or lose 3.5 if they answer incorrectly.

- In case no team presses the buzzer we will skip the question after about 30 seconds are passed.
- Use of any sort of electronic device is strictly forbidden.
- The participants will be provided with a blank sheet and a pen, to work on and derive out the solutions.



Rules and Regulations

- Use of mobile phones or any other devices apart from the one allowed in the guideline are strictly forbidden.
- If any team is found breaking the rules, they might face immediate disqualification from the specific event
- Teams are expected to show utmost cooperation.
- The decision of the judges will be held final.