

# Time v/s Physics

John is a physics student and has many questions to work out today for an assignment. The questions are logical and application based. But he is sick in bed and looks blue around the gills. The alarm bells are ringing and things are getting out of his hand. He has nerves of steel and has decided to take up the task. He doesn't want to be a day late and a dollar short but his health isn't letting him work full speed ahead. As odds are worse than ever, he'll be grateful if you lend him a hand. In this war between physics and time, all the physics enthusiasts buck up to win against the clock. So, let us see who triumphs this big draw game and keeps up with the Joneses!

## **General Event Rules:**

**All the decisions regarding the competition are taken by the organisers and are unquestionable.**

**Use of internet and mobiles is strictly prohibited.**

**Teams of three or less members is eligible to participate.**

## **Round 1: Beat the clock**

The prelim round will have 50 questions out of which 5 will be bonus questions. The maximum time given to solve all the questions is 45 minutes. The questions will be conceptual, intuitive and related to general physics around us. No prerequisites at all.

### **Rules:**

The first 45 questions carry 1 mark each with no negative marking.

The last 5 questions are bonus questions with 3 marks each. Each wrong bonus question will cost you one negative mark. Unanswered bonus question fetches zero marks.

The maximum marks are 60 and maximum time given is 45 minutes.

In case some teams have the same score, then team with more number of correct bonus questions will be given priority. If again there is a tie then team

with less wrong answers will be selected. In case of further tie, all the teams will be selected.

Maximum 8 teams will qualify for the second round.

## **Round 2: In one stroke**

\*\*\*Second round is independent of the first round. The scores of first round won't be carry forwarded. \*\*\*

The second round will have 2 categories.

**1<sup>st</sup> category** includes questions on logical reasoning, applications of physics and mathematics. The questions will be shown on the projector. There will be 20 questions in total. Maximum time to solve each question will be only 2 minutes.

### **Rules:**

If a team gets the answer then one person from the team will have to stand and then he will be allowed to speak.

If the team answers correctly, it will be awarded 10 marks. In case of wrong answer 5 marks will be deducted from the total score.

Also in case any team speaks the answer before they are told to or takes more than 10 seconds in answering (after they are told to speak) 5 marks will be deducted from the total score.

In case members from some teams stand at the same time and give correct answers then all such teams will be awarded +10.

If some give a wrong answer then -5 will be awarded to that team. The other teams which do not stand to give the answer won't have any addition or deduction in their score. In case of any discrepancy the final deciding rights reside with the organiser.

**2<sup>nd</sup> category** will have 2 questions for each team. The questions will be based on some renowned physics experiments.

**Rules:**

Each correct answer gives +10 to the team.

Wrong answer doesn't change the score in any way.

Any Queries?

Contact:

Drishti Mamtani: 7997083690

Alaukik Joshi: 8574611729