Recognizing Ramanujan-A Mathematics Competition

RECOGNISING RAMANUJAN is a Mathematical Competition organized by Mathematical Sciences Foundation (www.mathscifound.org) based on problems inspired by the work started by one of the greatest mathematicians in history Srinivasa Ramanujan and complementary innovative ideas which will help to identify young math lovers who wish to explore the fascinating world of research and innovations related to mathematics and computers.It is designed to identify students who have the potential to be like the great mathematician Srinivasa Ramanujan.

ELIGIBILITY:

Open to students (of NCR schools) at two levels:
Junior (Std's. VI & VII); Senior (Std's. VIII & IX).

DATE OF EXAM: 27 January (Sunday) 2019

DURATION OF THE COMPETITION: 60 minutes
VENUE: Exam Centres will be announced after registration

REGISTRATION:
Interested students should give required details along with fee of Rs 200/- to their respective maths teachers latest by Jan 10

FORMAT OF PAPER
• The paper will have two parts.
• Part 1 deals with the life of Ramanujan. All questions on his life
shall be non-technical in nature. In other words the questions of
Part 1 shall not be based on mathematical ideas.
• Part 2 shall be based on material provided in the sample question
paper.
• A self-contained lesson of two short paragraphs on some
properties of numbers shall be given.
• Students shall have to answer simple multiple choice questions.
• Students shall be provided sheets of rough paper to perform
calculations.

FOR PART-1, some useful sample sources on the life of Ramanujan are:
• https://www.britannica.com/biography/Srinivasa-Ramanujan

- http://www-history.mcs.st-and.ac.uk/Biographies/Ramanujan.html
- https://www.famousscientists.org/srinivasa-ramanujan/
- https://www.imsc.res.in/~rao/ramanujan.html
-
http://www.nbtindia.gov.in/books_detail__9__national-biography__27__srinivasa-ramanujan.nbt
- The Man Who Knew Infinity: A Life of the Genius Ramanujan. Author: Robert Kanigel. Rupa & Co.

Sample paper will be shared through Google Classroom

FOR PART-2 of the Examination:
- No coaching is needed
- Only basic familiarity with numbers especially simple properties of prime numbers
- Ability to reason logically

PRIZES
For top 50 (25 Junior + 25 Senior) performers: 50 RASPBERRY PI KITS, FULLY EQUIPPED COMPUTING DEVICES worth more than 5 Lac.

These are custom purpose computers. A Raspberry Pi (called #AstroPi) is currently being used on the Space Station ISS. Raspberry Pi's are also specially suited towards robotics, making and running drones, ethical hacking, weather station management and for digital art installations etc.

The above winners shall also receive a special certificate recognising them as 'BUDDING RAMANUJANS'

In addition, for the top 10 percent performers at the junior and also at the senior levels: A certificate of merit stating that the participant has the potential to be a Budding Ramanujan.