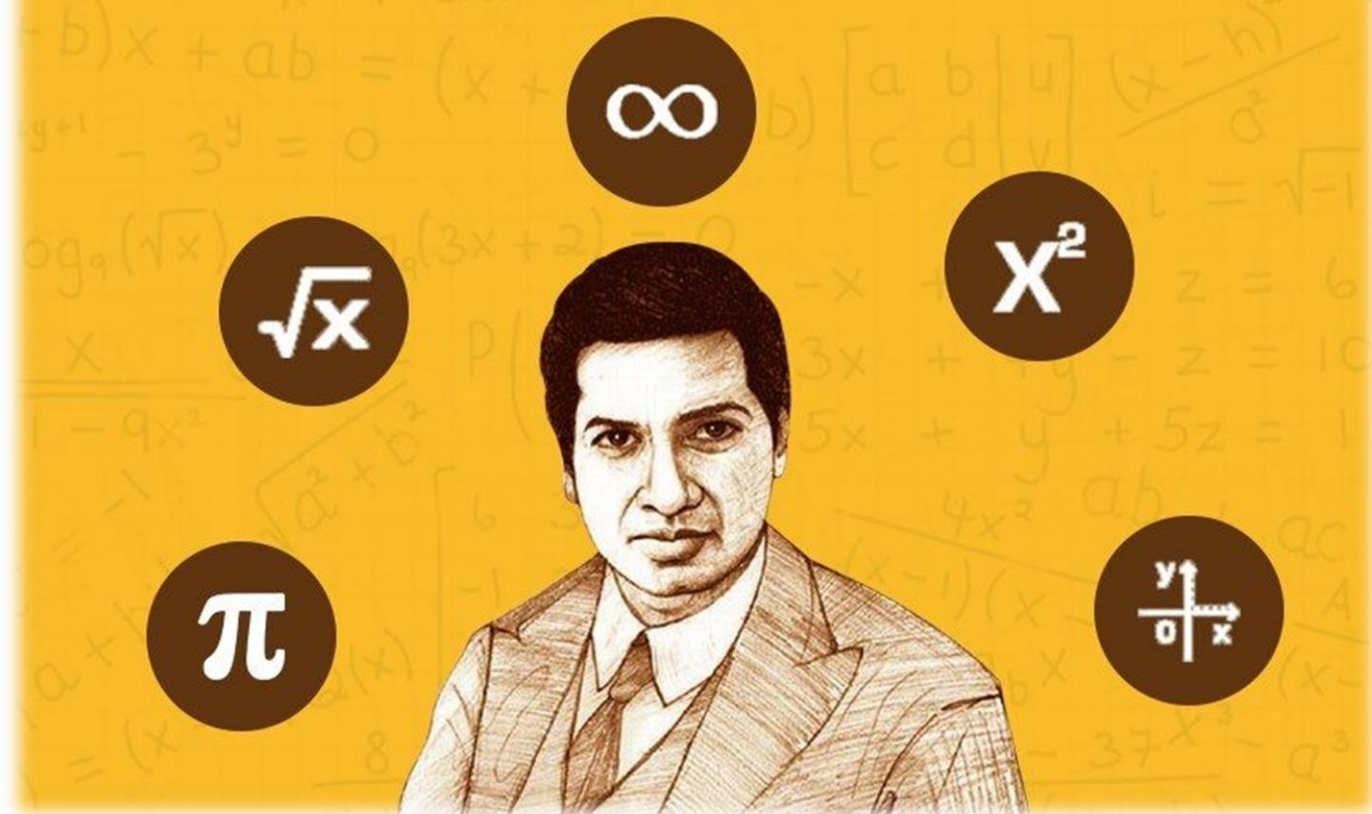# SRI VASAVI ENGINEERING COLLEGE
(Sponsored by Sri Vasavi Educational society)
(Approved by AICTE, New Delhi & permanently affiliated to JNTUK, Kakinada)

NATIONAL MATHEMATICS DAY -2014

Every equation has a solution and Srinivasa Ramanujan is the proof

Department
of
Basic Science and Humanities

National Mathematics Day-2014

National Mathematics Day is observed on December 22 in India. The day commemorates the birth anniversary of legendary Indian mathematician Srinivasa Ramanujan. National Mathematics Day is celebrated in India to emphasise the importance of mathematics and honour Ramanujan.

National Mathematics Day was observed for the first time on December 22, 2012, the 127th birth anniversary of Ramanujan. The Prime Minister Manmohan Singh announced that December 22 would be observed as National Mathematics Day annually. As a tribute to Ramanujan's mathematics contributions, 2012 was celebrated as National Mathematics Year.

Basic Science and Humanities celebrated National Mathematics Day on 22-12-2014 by conducting online Ramanujan's Talent Test-2014 on 17-12-2014, 3.30 PM at digital library for B.Tech first year and Diploma students of Sri Vasavi Engineering college. 554 students had written this test.

The Department conducted a program regarding this occasion on 22-12-2014 at 3.00 PM in the seminar hall, BSH Block. In this program, the contributions of the Legendary Mathematician Srinivasa Ramanujan Iyengar is narrated by the students.

The president, Secretary, Principal, all Heads of the departments and faculty graced the occasion and addressed the students on importance of Mathematics.

In this occasion winners of the talent test were given prizes and certificates by the guests.

Winners in the Talent Test (B.Tech)

S.No	Roll Number	Name of the Student	Branch	Position
1	14A81A0530	KARIBANDI USHANJALI	CSE-A	1
2	14A81A0361	DUGGIRALA VAMSI KRISHNA	ME-B	2
3	14A81A04A5	VEJJU HARI PRIYA	ECE-B	3

Winners in the Talent Test (Diploma)

S.No	Roll Number	Name of the Student	Branch	Position
1	14243-M-051	SEEMAKURTHI AMAR KUMAR	DME-A	1
2	14243-C-009	GORLI KAVYA	DCE-A	2
3	14243-EE-093	MIDDE JAYA RAM	DEEE-B	3

SRI VASAVI ENGINEERING COLLEGE
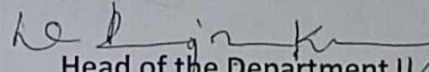
Pedatadepalli, TADEPALLIGUDEM

Date: 11/12/2014

Circular

On the occasion of 127th Birth day of **SRINIVASA AIYANGAR RAMANUJAN**, observed as " **NATIONAL MATHEMATICS DAY**" on 22-12-2014, The department of Mathematics(BSH) is conducting a talent test on 18-12-2014 to the 1st year B.Tech students.Those who are interested can registered their names with

1) Sri **S. Amjed Ali**, Asst.professor of mathematics ,BSH Dept.

2) Sri **SK. Dhana Prasad** , Asst. professor of mathematics ,BSH Dept, on or before 13-12-2014.

❖ 1st ,2nd and 3rd prizes will be distributed to the toppers of the test on 22-12-2014.

❖ Syllabus of the test: Arithmetical Reasoning.

Head of the Department 11/12/2014

(Basic Sciences&Humanities)

Copy to ,

1.The Principal

2.All Heads

3. Class rooms of 1st year B.Tech

4. Notice boards of 1st year B.Tech.

Talent test

1. No of numbers between 1 to 100 which are divisible by 2 or 3 ?

   (1) 82   (2) 98   ③ 66   (4) 67

2. When a number is divided by 36, it leaves a remainder of 19. what will be the remainder when the number is divided by 12?

   (1) 4   (2) 5   (3) 6   ④ 7

3. A Can run around a circular track in 40 sec. B running in the opposite direction meets A every 15 sec. What is B's time to run around the track?

   (1) 20 sec   ② 24 sec   (3) 32 sec   (4) 40 sec

4. The ratio of land to water on the whole of the earth is 1:2 and it is 2:3 on the northern hemisphere. The ratio of land to water on the southern hemisphere is

   (1) 11:4   ② 4:11   (3) 15:4   (4) 4:15

5. The pages of a news paper were lying jumbled up. On keeping them in order page no. 17 was missing and the last page was numbered as 28. what other pages neccessarily missing?

   (1) 9, 10, 18   (2) 13, 14, 18   ③ 11, 12, 18   (4) 8, 9, 18

6. At the end of a business conference ten people present all shake hands with each other once. How many hand shakes will be there all together?

   ① 45   (2) 58   (3) 55   (4) 90

7. Consider the following multiplication in decimal notation

$$abc \times 999 = def132$$

where abc is a three-digit number and def132 is a
six digit number. Then find the value of $a+b+c+d+e+f$

(1) 41   (2) 42   (3) 43   (4) 44

8. There are deer and peacocks in a zoo. By counting
heads they are 80. The number of their legs is 200.
How many peacocks are there?

(1) 20   (2) 30   (3) 50   (4) 60

9. Fresh fruit contains 72% water and Dry fruit contains
20% water. How much dry fruit can be obtained
from 100kgs of fresh fruit?

(1) 32 kgs   (2) 35 kgs   (3) 36 kgs   (4) 40kgs

10. Find the number of divisors of 3600 excluding
one and itself?

(1) 44   (2) 45   (3) 47   (4) 43

11. what is the remainder when 5^{68} is divided by 8?

(1) 1   (2) 3   (3) 4   (4) 5

12. When observed in a mirror if the time is 8:20 then
what is the actual time?

(1) 4:40   (2) 3:40   (3) 2:40   (4) 4:20

13. Find the total number of squares that can be
observed in a 8x8 chess board?

(1) 64   (2) 512   (3) 204   (4) 216

14. The total number of digits used in numbering the pages of a book having 366 pages is

(1) 732 (2) 990 (3) 1098 (4) 1305

15. What is Ramanujan's number?

(1) 1279 (2) 1972 (3) 1729 (4) 1792

16. I would have been twice as efficient as today then I would have finished a work in 12 days. If my efficiency is reduced to $\frac{1}{3}$ of what it is present, then in how many days I would be able to finish the work?

(1) 8 days (2) 24 days (3) 48 days (4) 72 days

17. Find the last digit of 13^{96}?

(1) 1 (2) 3 (3) 9 (4) 7

18. If $3 \$ 5 = 120$ and $5 \$ 7 = 420$ then $9 \$ 11 = $ ___

(1) 990 (2) 720 (3) 1980 (4) 1190

19. The last day of the Century can't be

(1) Friday (2) Wednesday (3) Tuesday (4) Monday

20. Three different types of marbles of 12 Red, 18 Blue and 24 Green have to be formed in heaps such that each heap has the same number of marbles of same colour. Find the minimum number of heaps that can be formed?

(1) 18 (2) 12 (3) 9 (4) 6

21) In a simultaneous throw of a pair of dice, find the Probability of getting the total more than 7

① $\frac{4}{15}$ ② $\frac{5}{12}$ ③ $\frac{7}{12}$ ④ $\frac{7}{15}$

22) A man ate 100 bananas in 5 days, each day eating 6 more than the Previous day. How many bananas did he eat on the first day?

① 10   ② 12   ③ 8   ④ 6

23) 100 consecutive even natural numbers (starting from 2) are equally spaced around a circle. which number is placed exactly opposite to the number 8 ?

① 56   ② 58   ③ 60   ④ 108

24) The sum of money becomes double itself in 5 years, at simple interest. In how many years it becomes 4 times of itself at the same rate of interest?

① 15 years   ② 10 years   ③ 25 years   ④ 20 years.

25) A train running at 54 Kmph takes 20 seconds to pass a platform. Next it takes 12 sec to pass a man walking at 6 Kmph in the same direction in which the train is going. Find the length of the train and the length of the platform.

① 130 m   ② 150 m   ③ 140 m   ④ 100 m.

SRI VASAVI ENGINEERING COLLEGE

Pedatadepalli, Tadepalligudem-534 101, W.G. Dist.

Department of Basic Sciences and Humanities

Date:17/12/2014

Circular

Schedule for participants' in Ramanujan's Talent test

Date of the Test: 18-12-2014

SECTIONS	VENUE	TIME
ECE-C (50)	IT LAB	3:30 PM-4:00 PM
ME-B (11)	IT LAB	3:30 PM-4:00 PM
ECE-B (41)	DIGITAL LIBRARY	3:30 PM-4:00 PM
CSE-A (19)	DIGITAL LIBRARY	3:30 PM-4:00 PM
EEE (25)	MCA LAB	3:30 PM-4:00 PM
CSE-B (40)	IT LAB	4:00 PM-4:30 PM
ECE-A (18)	IT LAB	4:00 PM-4:30 PM
CIVIL (39)	DIGITAL LAB	4:00 PM-4:30 PM
ME-A (21)	DIGITAL LAB	4:00 PM-4:30 PM
CSE-C (26)	MCA LAB	4:00 PM-4:30 PM

Head of the Department

(Basic Sciences & Humanities)

Sri Vasavi Engineering College

Pedatadepalli, Tadepalligudem - 534101

Certificate of Appreciation
Srinivasa Ramanujan Talent Test

This is to certify that Mr. / Ms. _____

_____ of _____ secured _____ position in

Ramanujan Talent Test held on National Mathematics Day (22nd December) in

commemoration of Sri Srinivasa Ramanujan Iyengar's 127th Birthday.

Head of the Department
Basic Sciences & Humanities

Principal

thank you!