

# **Quiz Competition & Assessment Test for Career Counseling for Higher Education in Mathematics**

**Arranged By**

**Department of Mathematics  
Mugberia Gangadhar Mahavidyalaya**

**Prepared by**

**Manoj Maity– PG 3<sup>rd</sup> Sem Students 2023 and Subham Maity, Teacher**

**under the supervision of ...**

**Dr. Kalipada Maity**

**Associate Professor & HOD :: Dept of Mathematics**

**22 December 2023**

*THE MEMORY OF RAMANUJAN  
BIRTH ANNIVERSARY*

Inter Dept. Quiz Competition

Organized by

Dept. of Mathematics (UG&PG)

MUGBERIA GANGADHAR MAHAVIDYALAYA

**Q1. Which date is celebrated as National Mathematics Day?**

A. 22 March

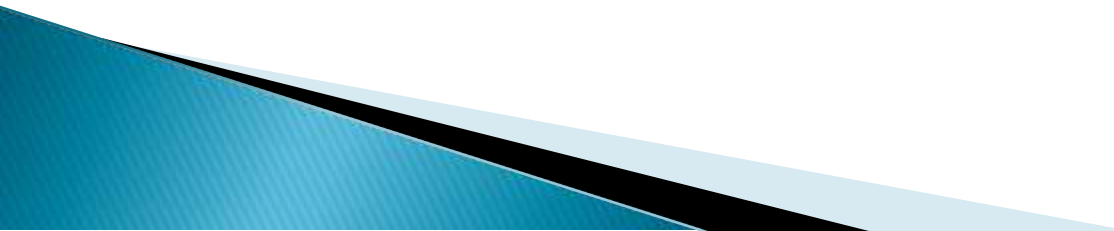
B. 22 September

C. 22 December

D. 22 October



Q2. What was the theme of National Mathematics Day 2023?

- A. Mathematics for everyone
  - B. Mathematics for all children
  - C. Importance of Mathematics
  - D. Relation with Mathematics
- 

Q3. Which Prime Minister declared  
as 22 Dec as National Mathematics  
day?

A. Lal Bahadur Sastri

B. Atal Bihari Bajpayee

C. Dr. Manmohan Singh

D. Indira Gandhi

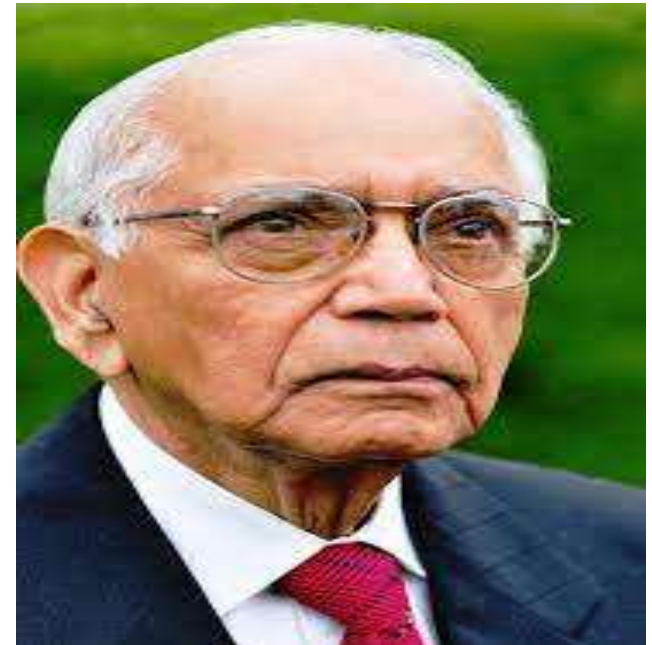
Q4. Who is the Indian Mathematician received Fields Medal in 2023?

A. Calyampudi Radhakrishna Rao

B. Basudev Chandrasekhar

C. Narayan Iyer

D. Bhargava Patel



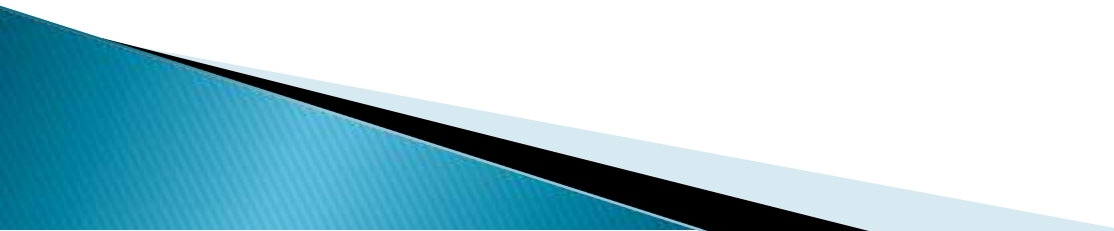
Q5. What is the Ramanujan Taxi Cab Number?

A. 1356

B. 8759

C. 1729

D. 1375



Q6. Who found '0'?

A. Brahmagupta

B. Maharshikanad

C. Sridharachahrya

D. Copernicus





## Q7. Who is the India's First Woman Mathematician?

A. Shakuntala Devi

B. Neena Gupta

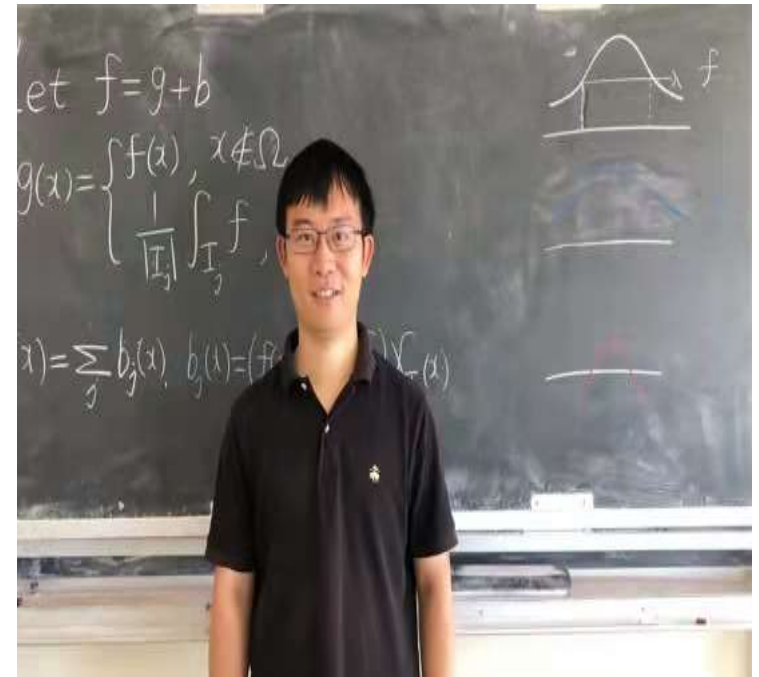
C. Nirmalya Narayan

D. Sudha Krishnamurthy



# Q8. Who won the 'Ramanujan Shastra Prize' in 2023?

- A. David Albert
- B. Lucy Ferando
- C. Shamina Islam
- D. Ruixiang Zhang



## Q9. Which Country's developed Quadratic Equation?

- A. India, Babylon, Greeks
  - B. Missore, England, Germany
  - C. France, Russia, China
  - D. Italy, Poland, Norway
- 

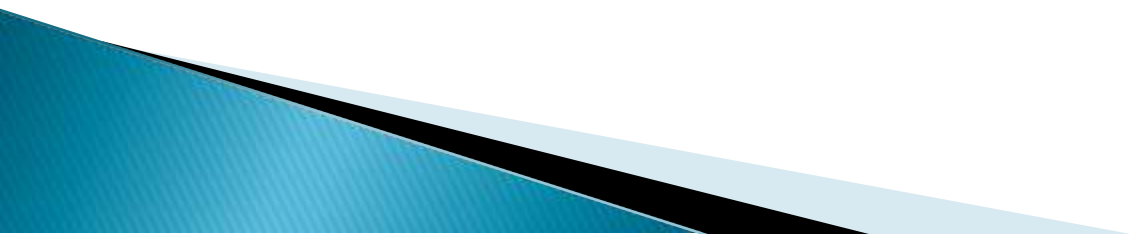
Q10.  $\pi$  day had declared .....

A. 14 March

B. 14 January

C. 14 February

D. 14 April



Q11. Using AI, how many digit of  $\pi$  ever counted–

A. 78 trillion

B. 12 trillion

C. 100 trillion

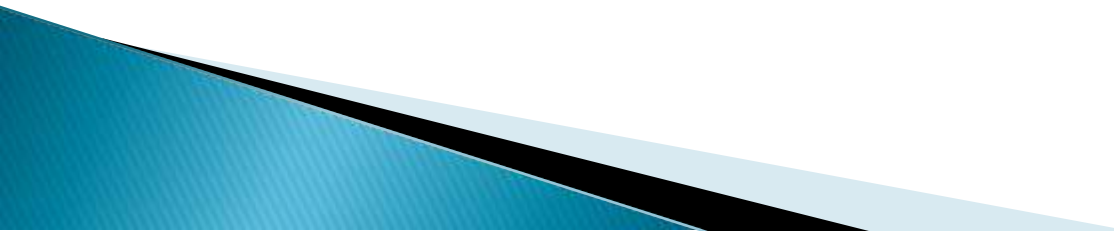
D. 84 trillion

## Q12. Who invented Rubik Cube?

- A. Mathematician Erno Rubik
- B. Mathematician De Alembert
- C. Mathematician Jean Alembert
- D. Mathematician Sophie Germain



Q13. 'Professor Neena Gupta received Ramanujan Prize in 2021' – for her outstanding work on ...

- A. Commutative Algebra   B. Affine Algebraic Geometry
- C. Both A & B   D. None of these
- 

# Q14. Who is the mother of Ramanujan?

- A. Kommalatama      B. Janaki Devi  
C. Sitaraman      D. Jostna Iyenger





Q15. What is the full name of 'Ramanujan'?

- A. Srinibas Ramanujan
- B. Srinivasa Ramanujan
- C. Iyenger Srinivasa Ramanujan
- D. Srinivasa Iyengar Ramanujan

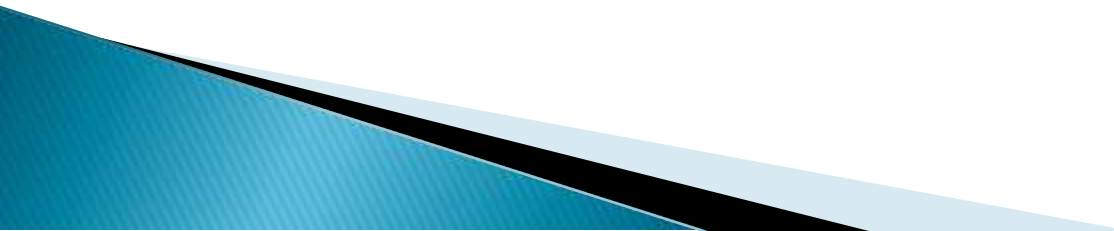


Q16. The famous book 'Siddhanta Srimohini' written by–

- A. Aryabhatra
- B. Bhasrkaryacharya 2
- C. Brahmagupta
- D. Sridharacharya



Q17. Indian Statistical Institute (ISI)  
was founded by...

- A. Prasanta Chandra Mohalanobish
  - B. Acharya Prafulla Chandra Ray
  - C. Jagadish Chandra Bose
  - D. Satyendra Nath Bose
- 

## Q18. Who is the Father of Indian Nuclear Programme (INP) ?

- A. Dr. A. P. J. Abdul Kalam      B. Satish Dhawan
- C. Dr. Bikram Sarabhai      D. Homi Jahangir Bhaba

# Q19. What is the Fermat's Last Theorem?

- A.  $a^n + b^n = c^n \quad \forall n \leq 2$
- B.  $a^n + b^n = c^n \quad \forall n \leq 3$
- C.  $a^n + b^m = c^{nm} \quad \forall n, m \leq 2$
- D. None of these

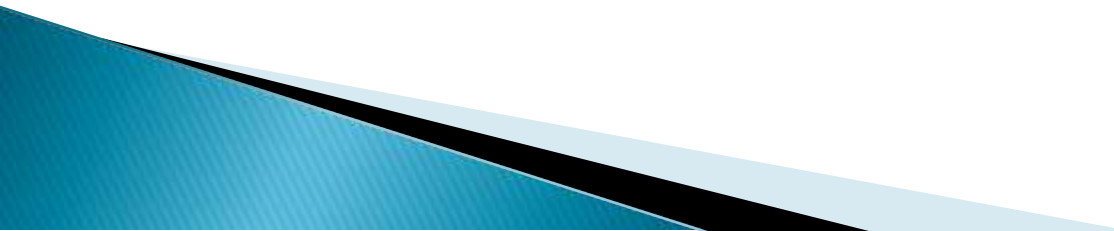
## Q20. Who Solved the Fermat's Last Theorem?

A. Prof. Andrew Wills

B. Prof. Manjul Bhargava

C. Prof. Neena Gupta

D. Prof. Robert Penrose



Q21. Which number is perfect in the blank box?

4	3	8
9		1
2	7	6

A. 6

B. 5

C. 7

D. 8

\*\*Hint: Ramanujan magic square\*

## Q22. Who is the First Martyr of Science?

- A. Giordano Bruno
  - B. Galileo Galili
  - C. Copernicas
  - D. Rodger Bacon
- 



Q23. Which Mathematician is known for first calculating the height of Mount Everest?

A. Hargobind khorana

B. Shakuntala Devi

C. Moharshi kanad

D. Radhanath Sikdar

Q24. Which name of the Mathematician see on the Bank Currency?



A. Galois

B. Gauss

C. Abel

D. Lagrange

Q25. Which Mathematician had died by attempted Suicide?

A. Euler

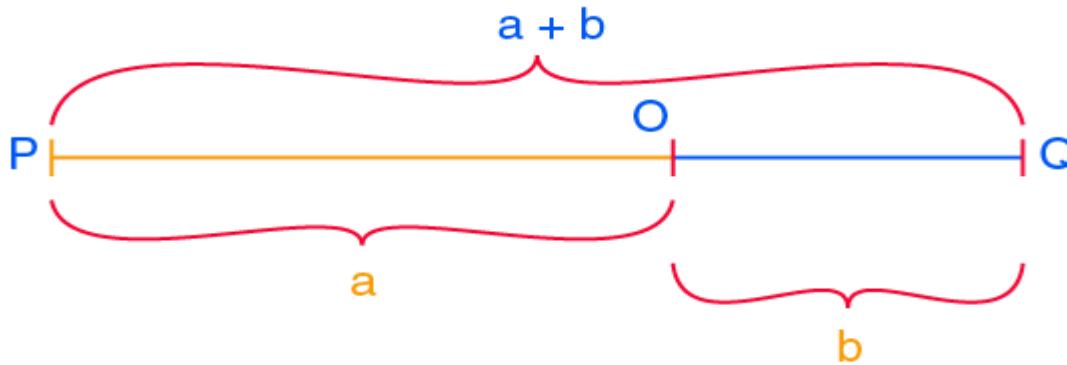
B. Alembert

C. Dirac

D. Galois

## Q26. DLS Method in Cricket invented by Statetician & Mathematician—

- A. Frank Dukworth, Tony Lewis, Steven Sterm
  - B. Tony Dukworth, David Smith, Louis Malan
  - C. Charls David, Morgan Lowata, George Steve
  - D. Eoin Duckham, George Littlehood, Bertend smith
- 



$$\frac{a}{b} = \frac{a+b}{a} = 1.618\dots = \Phi$$

Q27. This equation known as ---

- A. Silver Ratio
- B. Euler's Identity
- C. Golden Ratio
- D. Newton's approach

# Q28. Which is not a Mathematical Journal...

A. AMS

B. CM

C. RMM

D. QM

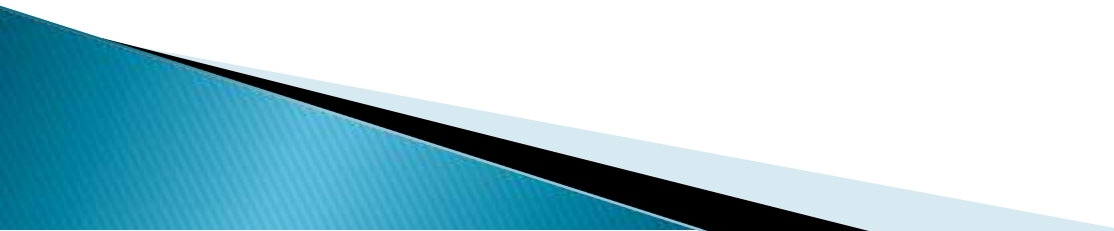
Q29. 'The Man who knew the infinity' – the Movie based on --

A. Lagrange

B. Aryabhatra

C. Ramanujan

D. Stephen Hawking



Q30. If  $P$  is a prime number then the factors of  $P$  are--

A.  $P$

B. 1 &  $P$

C. 1 and  $p-1$

D. None of these





# Q31. What is the Highest Award for Mathematical Achievement?

A. Cole prize

B. Wolf prize

C. Abel prize

D. Fields prize

Q32. Which equation known as Most Beautiful Equation in Mathematics?

A.  $e^{i\pi} + 1 = 0$ . (*Euler Equation*)

B. Gama equation

C. Beta equation

D. Wave equation



Q33. The Symbol  $\infty$  was invented  
by ---

A. Ramanujan

B. Gauss

C. Aryabhatra

D. John Walis

Q34. Ramanujan calculating value of infinity is...

A.  $-1/6$

B.  $-1/12$

C.  $1/12$

D.  $1/6$

Q35. India's First Satellite is  
Named after...

A. Bhaskaracharya

B. Insat

C. Aryabhatra

D. Insat 2



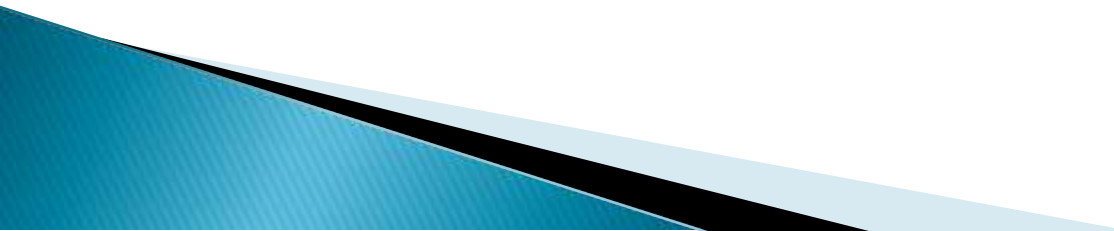
Q36. What is the name of Indian Mathematical Magazine?

A. JIMS

B. RMM

C. AMS

D. RMS



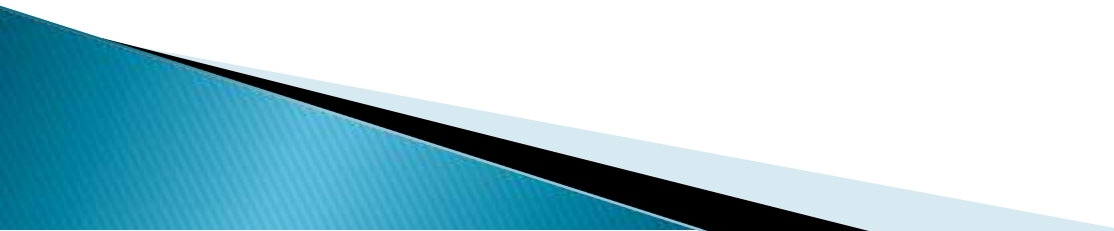
## Q37. Cryptography used on...

A. Marketing

B. Medical Science

C. Textile Engineering

D. Data security



Q38. 'Theory of Graph' is used on–

A. Social Network

B. Computer Science

C. Railway Management

D. All of these



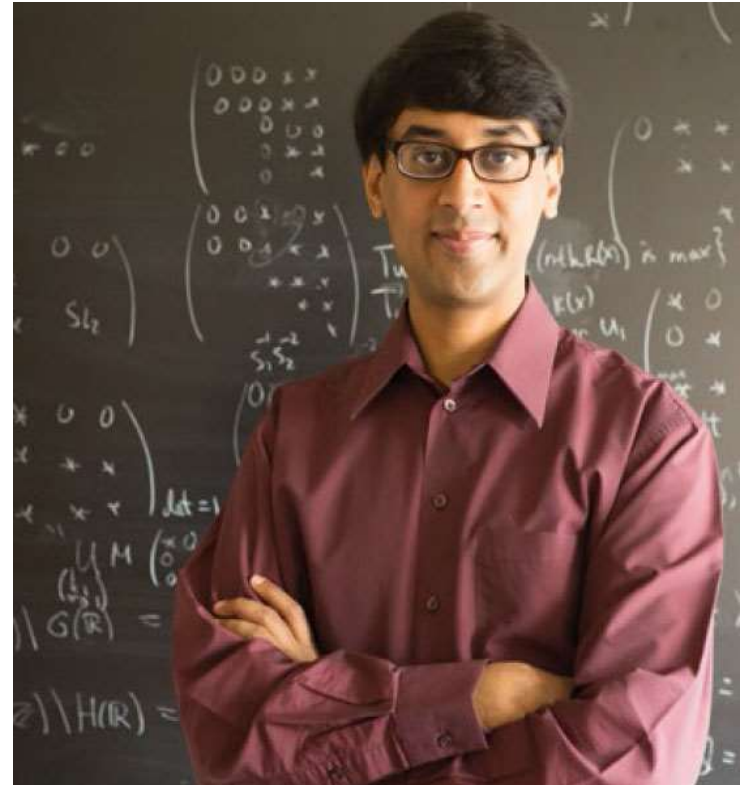


## Q39. The Fibonacci Sequence see on...

- A. Pascal Triangle
- B. Human Anatomy
- C. Sequences in Music
- D. All of these

Q40. The Name of the Person on this photo is \_\_\_\_\_

- A. Samit Dasgupta
- B. Rajendra Bhatia
- C. Indranil Biswas
- D. Manjul Bhargava



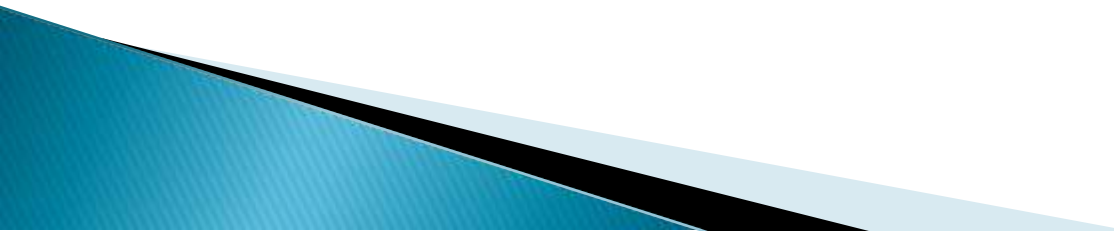
Q41. Harish Chandra Research Institute (HCRI)  
located in...

A. Kolkata

B. Allahabad

C. Hyderabad

D. Chennai



Q42. Who was the founder of TIFR with the help of Whom?

- A. Dr. Homi j. Bhaba & J.R.D. Tata
  - B. Dr. A.P.J. Abdul Kalam & Ratan Tata
  - C. S.N. Bose
  - D. Dr. Bikram Sarabhai
- 

Q43. How many time has GATE exam conducted in a year for?

A. Four times

B. Three times


C. One time

D. One or two times

Q44. 100 Prime Minister's Doctoral Research Fellowships is given by...

- A. Government of India
  - B. Government of USA
  - C. Government of UK
  - D. Government of Canada
- 

Q45. The Algebraic form  $(1+\sqrt{2})$  is known as –

- A. Silver Ratio
  - B. Platinum Ratio
  - C. Diamond Ratio
  - D. Golden Ratio
- 

Q46. Who said the Phrase “Number Rules The Universe”? ...

A. Albert Einstein

B. Paul Dirac

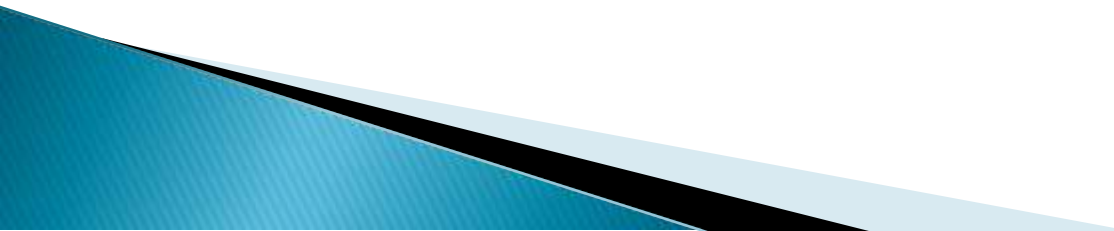
C. Leonhard Euler

D. Pythagoras

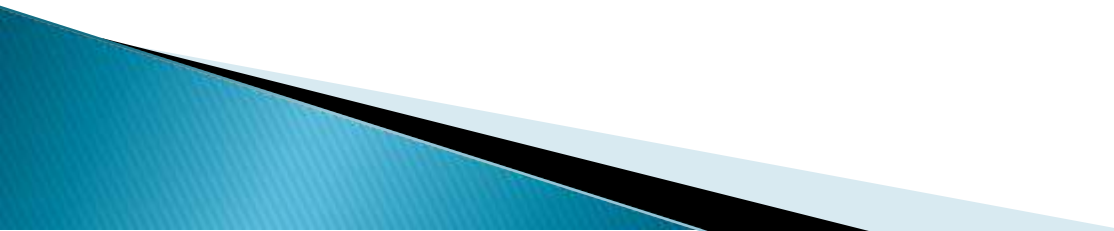




## Q47. What are the 4C's in Math?

- A. Component, Count, Content, Complex
  - B. Converse, Count, Compare, Categorize
  - C. Contour, Course, Compare, Countable
  - D. All of these
- 

Q48. What is the four basic math?

- A. Addition & Subtraction
  - B. Multiplication & Division
  - C. Both A & B
  - D. None of these
- 

Q49. Where was Abacus(সুস্মশীর্ষফলক)  
invented?

- A. India
- B. Italy
- C. Japan
- D. China



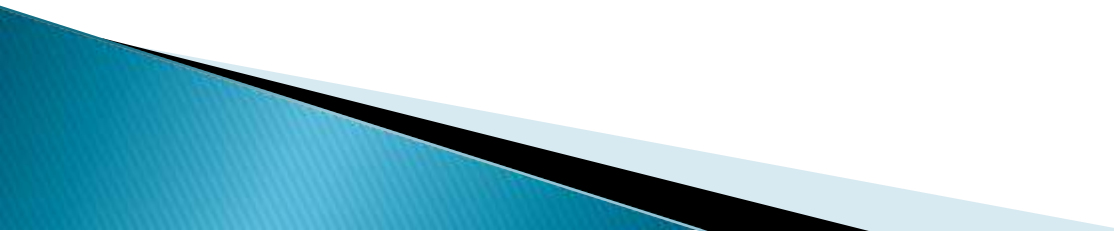
Q50. Who created the symbol “e”?

A. Leonhard Euler

B. Legendre

C. Newton

D. Jean-Alembert



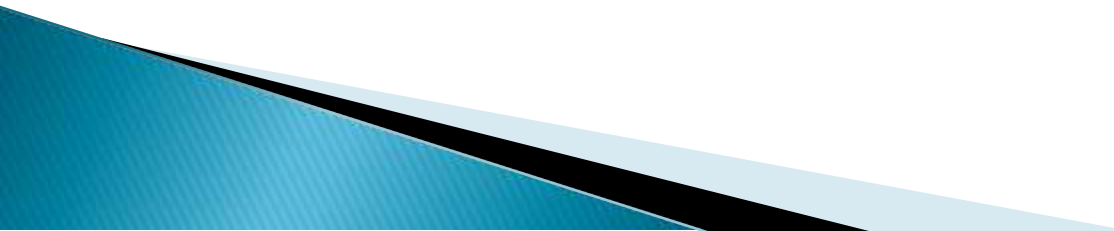
Q51. Who invented Boolean Algebra?

A. George Boole

B. Charles Babage

C. Henry Ford

D. Neu Foreman



Q52. How many Zeros are there in One Billion?

A. 9

B. 10

C. 8

D. 12



Q53. Name of the Symbol ( ) ?

A. Perpendicular

B. Parentheses

C. Parallel

D. None of these



Q54. What is the value of Pi to four individual decimal places?

A. 3.1423

B. 3.1534

C. 3.1486

D. 3.1416



Q55. Which book is known as 'Bible of Mathematics'?

A. Mathematica Principia

B. The Codex Leicester

C. Da Vinci Code

D. Euclid's Element



Q56. Which Number does not have a Reciprocal?

A. 1

B. 0

C.  $\sqrt{2}$

D. None of these



Q57. Which Number System does not have the Symbol for zero?

A. Binary

B. Roman Numerical

C. Both A & B

D. None of these



Q58. Find the Missing Number in the Sequence?  
0, 1, 1, 2, 3, \_\_\_\_\_, 8, 13, 21, 34, 55,...

A. 5

B. 7

C. 6

D. 4

HINT: Fibonacci Sequence



## Q59. Roman Number of 40?

A. XXXX

B. XXVVVV

C. XL

D. XLV

Q60. The total Number of dots on a Dice?

A. 21

B. 18

C. 23

D. 24



Q61. Who give the first concept of Astronomy in India?

A. Bikram Sarabhai

B. Aryabhatra

C. Bramahgupta

D. Moharshi Kanad



Q62. The advertisement of NET exam are released on

A. May & November

B. February & March

C. May & December

D. March & July





## Q63. Advertisement of JAM released on

A. October

B. June

C. July

D. August

Q64. The institute CMI located on

A. Chennai

B. Bangalore

C. Calcutta

D. Delhi



Q65. The full form of JRF is–

- A. Joint Research Fellowship
- B. Joint Royale Fellow
- C. Junior Royale Fellow
- D. Junior Research Fellowship



## Q66. The Validity of GATE score is

- A. 1 year
- B. Two year
- C. Four year
- D. Three year

Q67. Which is the India's First IIT?

A. IIT Kharagpur

B. IIT Bombay

C. IIT Madras

D. IIT Delhi



Q68. The Fields Prize gives every --

A. 1 year

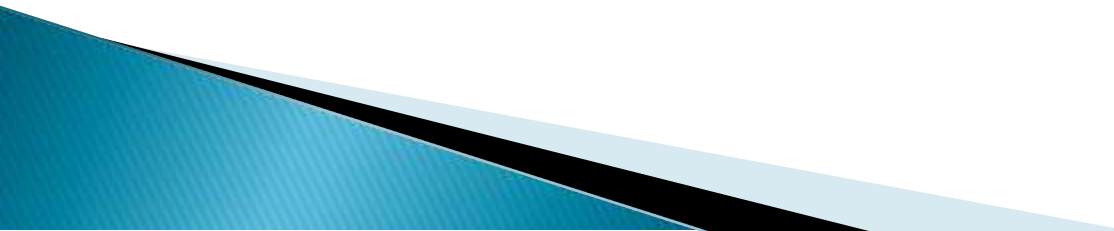
B. 2 year

C. 3 year

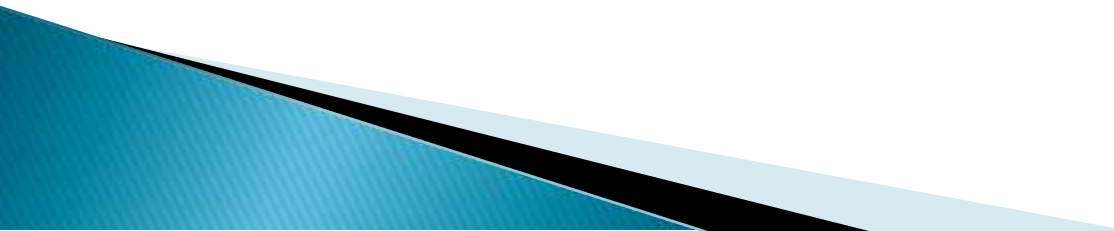
D. 4 year



Q69. The amount of 'RAMANUJAN SASTRA PRIZE' is --

- A. Five Hundred Dollar
  - B. Ten Thousand Dollar
  - C. Five Thousand Dollar
  - D. Ten Hundred Dollar
- 

## Q70. Which Companies allowed GATE Score for their Internship?

- A. Private Sector Banks
  - B. Oil And Gas corporations
  - C. National Thermal Power Corporation
  - D. All of these
- 



Q71. Which Exam you Need to Crack for doing MBA from IIM ?

A. CAT

B. SAT

C. HET

D. GCT



Q72. According to NIRF, Which City is best for Student in Study?

A. Kolkata

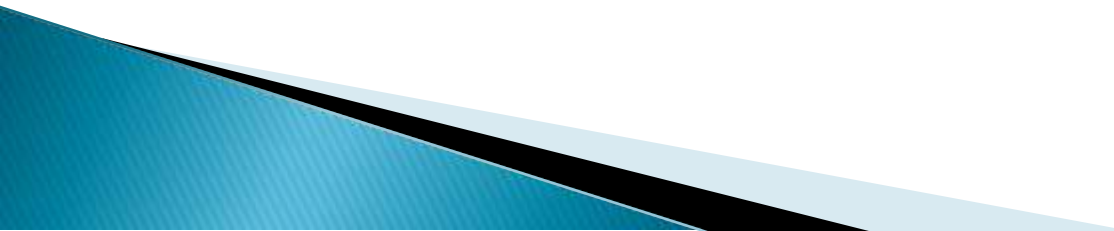
B. Bangalore

C. Chennai

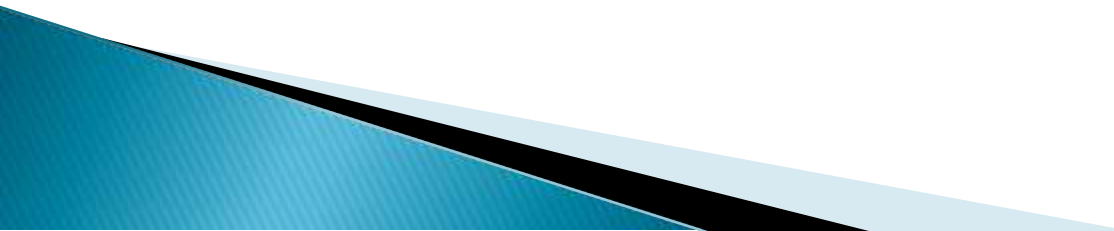
D. Mumbai



## Q73. What is the full form of JIMS?

- A. Journal of Indian Master's Society
  - B. Journal of Indian Meteorology Society
  - C. Journal Of Indian Mathematical Society
  - D. None of these
- 

## Q74. What is the full form of IEST?

- A. Indian Institute of Energy & Supply Technology
  - B. Indian Institute of Energy & Suspension Technology
  - C. Indian Institute of Engineering & Science Technology**
  - D. None of them
- 

Q75. The CIRCLE was first originated By

A. Italy

B. Babylon

C. China

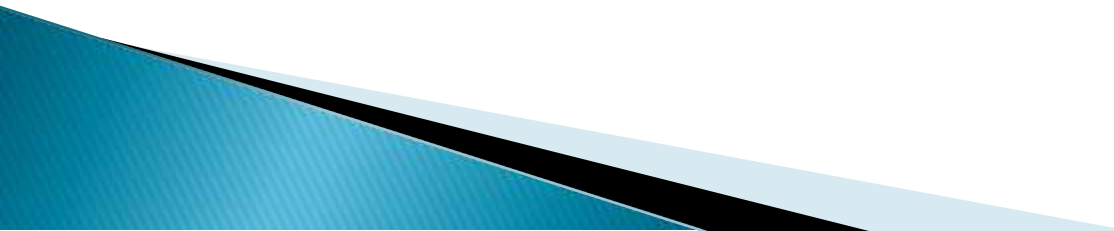
D. India



## Q76. The importance of Prime Number used on

- A. Data Encryption
- B. Public Key Cryptography
- C. Digital Signature
- D. All of these

**Q77. What is the full form of ISBN?**

- A. International Standard Book Number**
  - B. Indian Standard Book Number**
  - C. Italian Standard Book Number**
  - D. All of these**
- 

Q78. If RAMNUJAN : MADRAS :: DIRAC : ENGLAD

EULER : RUSSIA :: GAUSS : FRANCE

Then ABEL : \* :: ARCHIMEDIS : \*

A. Sweden & Denmark

B. Greece & Chilli

C. Norway & Greece

D. Sweden & China



Q79. Suppose,  $\text{EULER} :: \text{EXPONENTIAL}$  and  
 $\text{NEWTON} :: \text{CALCULAS}$ ,  
then  
 $\text{GEORGE BOOLE} :: ?$

A. Boolean Algebra

B. Gama Function

C. Beta Function

D. Phi Function

Q80. If....

Russia : : RMS

England : : CM

India : : JIMS

then, America : : \*\*\*\*\*

A. RMM

B. GMS

C. SMM

D. AMS

## Q81. Hint–

- \* Born in Kumbhakonam
- \* Married to Janaki Devi
- \* Fellow of Royale society
- \* Meet with G.H. Hardy
- \* Died in 32 years old

who is this person ?

- A. Sarvapalli Radhakrishnan
- B. A. P. J. Abdul Kalam
- C. Srinivasa Ramanujan
- D. Manjul Bhargava

Q82. Hint.

- \*Known as Phycist
- \*Known as Mathematician
- \*Study Trinity college
- \*Never Married
- \*Father of calculus

A. Newton

B. Gauss

C. S.N. Bose

D. Stephen Hawking



Q83.

\*Born in France\*

\*Political Activist\*

\*Devloved Group Theory\*

\*Going to Jail\*

\*Died by attempt suicide\*

Who is he?

A. Joseph Lagrange

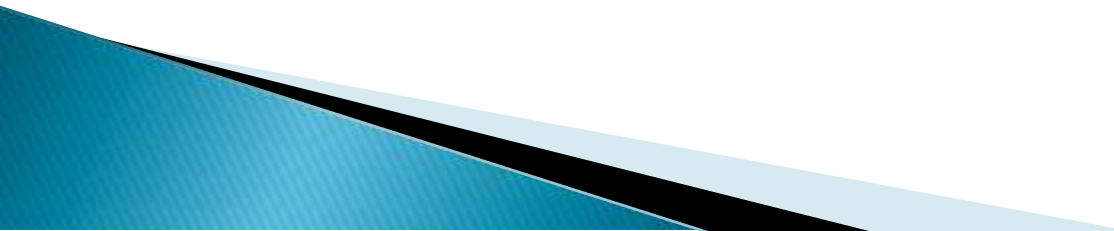
B. Augastine Cauchy

C. Arther Caley

D. Evariste Galois

## Q84. Which Problem is unsolved ever?

- A. Fermat Last Theorem
- B. Euler Identity
- C. Twin Prime Conjecture
- D. All of these



**Q85. Who is not a mathematician in this below?**

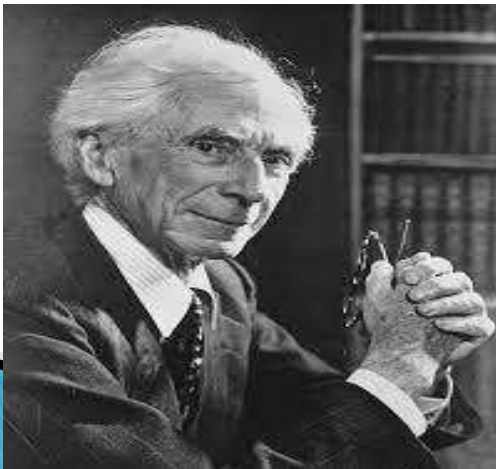
**A.**



**B.**



**C.**



**D.**



Q86. The name mathematician near the Ramanujan photo is–



A. Alembert

B. G. H. Hardy

C. Littlehood

D. Sylvester



Q87. Who is the Sakuntala Devi (Human Calculator) below ?

A.



B.



C.



D.



Q88. The name of the Prize is



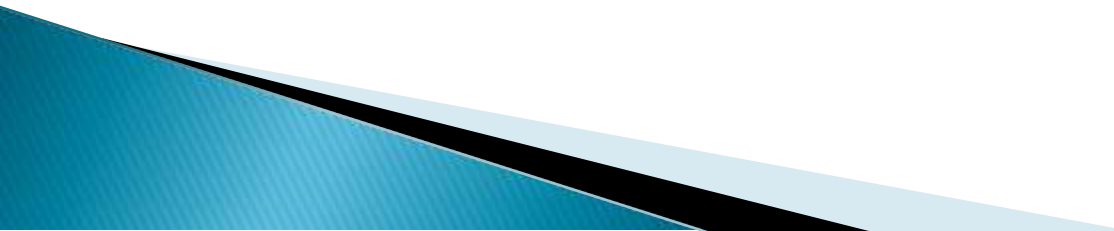
A. Cole Prize

B. Wolf Prize

C. Abel Prize

D. Fields Medal

Q89. What is the name of West Bengal's Mathematical Journal?

- A. Calcutta Mathematical society
  - B. Bengal Mathematical Magazine
  - C. Mathematical Society of Bengal
  - D. Mathematical Journal Bengal
- 

Q90. 'God used Beautiful Mathematics to Creating the World' – this Pharse Said by

A. Ramanujan

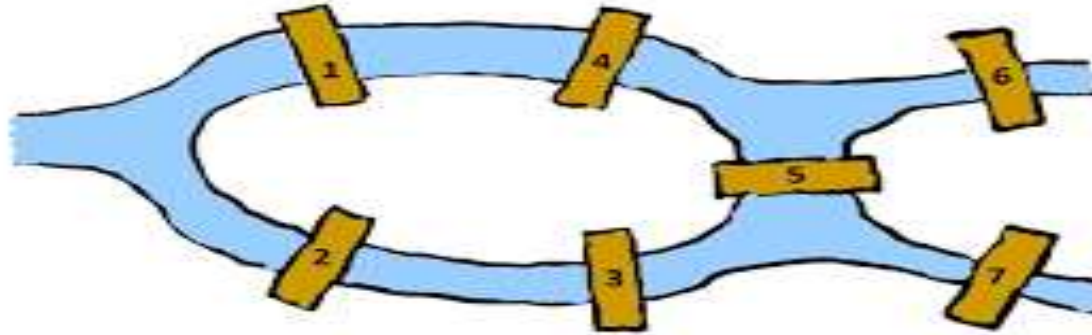
B. Aryabhatra

C. Paul Dirac

D. Albert Einstein



Q91. The name of the famous bridge is -



A. Cam Bridge    B. Swis Bridge

C. London Bridge

D. Konisberg Bridge

Q92. The name of the person is–



- A. Anand Kumar
- B. Ritwik Kumar
- C. Dinesh Kumar
- D. Arjun Kumar

Q93. Who is known as the Prince of Mathematics in India?

A. Aryabhatra

B. Brahmagupta

C. Ramanujan

D. Sridharacharya



Q94. Who is the President of Indian Mathematical Congress now?

A. Bala Sury

B. Dinesh Iyer

C. Sunil Sury

D. S. Subramaniam





Q95. The Cole Prize are given by–

- A. England
- B. America
- C. Russia
- D. Sweeden



Q96.The Cole Prize are given the  
Memory of--

- A. George Cole
- B. Dickson Cole
- C. Frank Nelson Cole
- D. Thompson Cole



Q97. First Person to use the Greek letter  
 $\pi$  to denote the Constant ?

A. Sridharacharya

B. Lagrange

C. Archimedes

D. William Jones



# Q98. Who invented the Slide rule?

A. William Oughtred

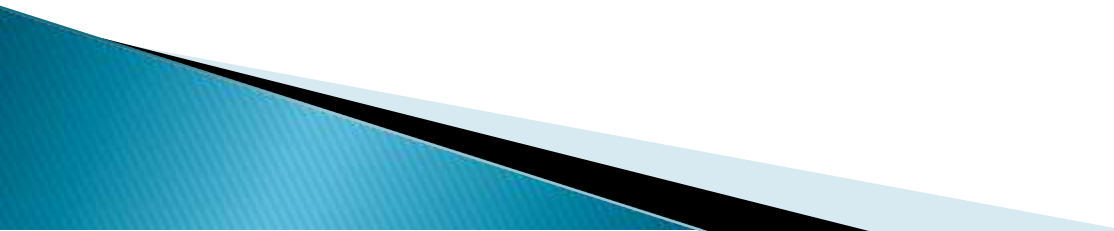
B. William Jones

C. Euclid

D. Copernicas



# Q99. Father of Trigonometry?

- A. Euclid
  - B. Brahmagupta
  - C. Hipparchus
  - D. Aryabhatra
- 

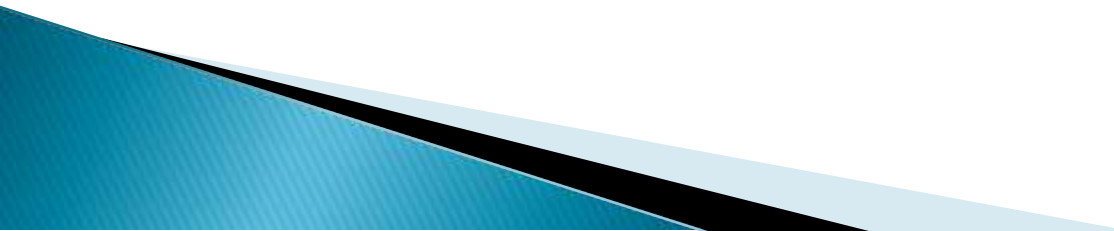
Q100. Which Pair is Called Twin Prime ?

A. 11 & 13

B. 17 & 19

C. 5 & 7

D. 2 & 3



Q100. Which Pair is Called Twin Prime ?

A. 11 & 13

B. 17 & 19

C. 5 & 7

D. 2 & 3





22.12.2023

**Principal**  
Mugberia Gangadhar Mahavidyalaya