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Practise Mode



National Quiz Competition in Mathematics on the occasion of Fibonacci day

Brought to you by

Department of Mathematics, V. P. College, Vijapur, Dist. Chhatrapati Sambhajinagar (MS)

On the occasion of Fibonacci Day (Thu, 23 Nov, 2023)

Date: 26 November 2023

* Required

1. Your full name in capital letters (It will be printed on the certificate) *

2. Your College/Institution Name *

3. The class in which you are studying *

4. Your Email *

5. Your WhatsApp mobile number *

6. Your birthdate *



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7. **The first few Fibonacci numbers are 0, 1, 1, 2, 3, 5, 8, 13...**
These numbers are named after Fibonacci, whose real name is?
(2 Points)

- LeonardodaVinci*
- LeonardodaPisa*
- LeonardoDicaprio*
- LeonardodaEuler*

8. **What is 1000 in Roman Numerals ?** (2 Points)

- M*
- V*
- C*
- D*

9. **What is the Fibonacci sequence?** (2 Points)

- A sequence of odd numbers
- A sequence of even numbers
- A sequence of prime numbers
- A sequence of numbers where each number is the sum of the two preceding ones

10. **The Fibonacci numbers were first introduced in Fibonacci's book, "Liber abaci" in a question to find the population of an animal at a particular time. What animal did he use?** (2 Points)

- Bee
- Sheep
- Deer
- Rabbit

11. **What is the first three-digit square number that appears on the list of Fibonacci numbers?** (2 Points)

- 121
- 144
- 225
- 25

12. **An Angle that measures less than 90 degrees is called ?**

(2 Points)

- Obtuseangle*
- Rightangle*
- Acuteangles*
- Reflexangle*

13. **Who was the first person to calculate pi? (2 Points)**

- Euclid*
- Einstein*
- Archimedes*
- Pythagoras*

14. **Who is known as the mother of Genius mathematician Srinivas Ramanujan? (2 Points)**

- Abhilasha
- Komalatammal
- Bindiya
- Chakori

15. **What is the value of Pi?** (2 Points)

- 3.14159
- 3.14358
- 3.14258
- 3.14289

16. **In which date Indian prime minister announces national mathematics day?** (2 Points)

- 26 Dec. 2012
- 26Feb2010
- 26Feb2008
- 26Feb2013

17. **National Mathematics Day was announced on which anniversary of the birth of Indian mathematical genius Srinivasa Ramanujan?** (2 Points)

- 100th
- 125th
- 150th
- 200th

18. **When was genius Srinivasa Ramanujan born in tamilnadu?**

(2 Points)

22Dec. 1886

22Dec. 1888

22Dec. 1887

22Dec. 1889

19. **The 2012 Indian stamp dedicated to the National Mathematics Day and featuring**

(2 Points)

Indian post

Trigonometry

S. Ramanujan

C. V. Raman

20. **When was national mathematics day first celebrated?**

(2 Points)

2005

2008

2010

2012

21. **Which is the smallest Natural Number?** (2 Points)

1

0

-2

-1

22. **Where is Ramanujan Math Park Located?** (2 Points)

Andhra Pradesh

Rajasthan

Madhya Pradesh

Gujrat

23. **What is the seventh digit of pi?** (2 Points)

2

7

4

5

24. **What is pi a ratio of?** (2 Points)

A circle's circumference to its diameter

A circle's area to its circumference

A square's area to its side length

A circle's radius to its circumference

25. **When was Ramanujan Math Park Inaugurated?**
(2 Points)

2010

2012

2016

2017

26. **What is the twentieth digit of pi?** (2 Points)

2

4

3

5

27. **Pi is a letter in which alphabet?** (2 Points)

English

Greek

Roman

Hebrew

28. **What is the father's name of mathematician Srinivas Ramanujan?**
(2 Points)

K. Srinivasa Iyengar

K.R. Srinivasa Iyengar

K.P. Srinivasa Iyengar

K.K. Srinivasa Iyengar

29. **When was the genius mathematician Srinivasa Ramanujan called by British mathematician GH Hardy in London, and after that he started a special work on mathematics?** (2 Points)

In 1913

In 1897

In 1899

In 1891

30. **Who is known as the “Father of Mathematics” ?** (2 Points)

Euclid

Aristotle

Pythagoras

Archimedes

31. **Srinivasa Ramanujan is the founder of?** (2 Points)

Indian Mathematical Society

International Mathematical Society

Mathematical Association

International Mathematical Union

32. **What famous mathematician was born on Pi Day?** (2 Points)

- Isaac Newton
- Archimedes
- Leonhard Euler
- Albert Einstein

33. **When was the first Pi Day celebrated?** (2 Points)

- 1988
- 1836
- 1975
- 1898

34. **How many rupees postage stamp was released by Indian Post on National Mathematics Day on Ramanujan's birthday?** (2 Points)

- One Rupees
- Five Rupees
- Two Rupees
- Ten Rupees

35. **National Mathematics Day was announced by Prime Minister.....**
(2 Points)

- Narendra Modi
- Jawaharlal Nehru
- Manmohan Singh
- Indira Gandhi

36. **Which mathematician normalized the use of the Greek Letter π as the notation for pi?** (2 Points)

- Euler
- Archimedes
- Fibonacci
- Euclid

37. **The _____ structure of the honeycomb has been shown by scientists and mathematicians as the most optimal structure for bees helping them to save energy and wax.** (2 Points)

- hexagonal structure
- triangular structure
- rectangular structure
- pentagonal structure

38. **What is the thirty-fifth digit of pi?** (2 Points)

2

9

8

5

39. **The development of digital electronics and all general purpose modern computers have been made possible because of a branch of mathematics called _____.** (2 Points)

Calculus

Number theory

Boolean algebra

Numerical analysis

40. **How many digits of pi are needed to perform all calculations in our observable universe with virtually no error?** (2 Points)

31 trillion

158

1000

39

41. **In our daily life, we use _____ to make decisions when we are unsure about the outcome.** (2 Points)

- flow chart
- mode
- mean
- probability

42. **When Pi Day is celebrated around the world?** (2 Points)

- 14 Feb
- 14 March
- 14 April
- 15 March

43. **An object is thrown into the air. After a while, it falls back to the Earth. The flight path of the object traces what shape?** (2 Points)

- ellipse
- parabola
- hyperbola
- circle

44. **Which of the following statement is correct about Pi?** (2 Points)

- It is non-repeating decimal value
- It is non terminating decimal value
- It is repeating and terminating decimal value
- It is non-repeating, non-terminating decimal value

45. **Adding the numbers between 1 to 100 consecutively (1+2+3+4+...) gives you what final answer?** (2 Points)

- 5500
- 5000
- 5550
- 5050

46. **Pi algorithm up to 5 correct decimal places was invented by which Chinese mathematician?** (2 Points)

- Zu Chongzhi
- Liu Hui's
- Shen kuo
- Pan Jianwei

47. **Many branching patterns in nature, for example, trees, ferns, snowflakes, etc can be modelled as _____ which shows patterns that are self similar.** (1 Point)

- groups
- fractals
- sets
- groupoids

48. **Who has calculated the area of a circle by taking the value of Pi equal to 3?** (1 Point)

- Babylonians
- Archimedes
- Both A and B
- Neither A nor B

49. **The most well known MP3 format of audio compression uses _____ to approximate the audio.** (2 Points)

- Laplace transform
- Fourier series
- Fourier transform
- Vector spaces

50. **Who has calculated the circumference of the earth and considered the value of Pi = 22/7? (2 Points)**

- Archimedes
- John Machin's
- Aryabhata
- None of the above

51. **Who was the first to use the Greek letter pi (π) to denote the constant? (2 Points)**

- Leonhard Euler
- William Jones
- Mayans
- Papyrus

52. **All natural numbers are whole numbers. However, not all whole numbers can be considered natural – True or False? (2 Points)**

- True
- False

53. **Pi consists of how many digits?** (2 Points)

- 9 digits
- 10 digits
- 12 digits
- Infinite

54. **A person chooses 12 random numbers and whatever he chooses it is always possible to find two numbers such that their difference is always divisible by 11. The mathematical principle which helps in proving that is _____** (2 Points)

- proof by contradiction
- proof by induction
- proof by construction
- pigeonhole principle

55. **People tried for centuries to "square the circle". What were they trying to do?** (2 Points)

- Construct a square to perfectly circumscribe a circle
- Construct a square of equal area to a given circle
- Multiply a circle by itself
- fit a round peg in square hole

56. **What is true about pi?** (2 Points)

- It's rational
- It's irrational
- It's regular
- It's basic

57. **A soccer is consisted of 12 pentagons and ____ hexagons.**
(1 Point)

- 32
- 20
- 16
- 24

58. **At what age did mathematician Ramanujan die?** (1 Point)

- 33
- 23
- 34
- 32

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