

TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN ,MEDAK

ACADEMIC YEAR: 2021-2022

The Math Quiz for college students was conducted on 20th March 2022 and for MPC I year students on 20, march, 2022 from 2.00pm to 3.00pm in the new seminar hall. 20 students from four houses, Rumanian, Bhaskhracharya Pythagoras, Aryabhata participated in the Quiz. There were 4 teams in all comprising of four teams from girls. Selection of the participants was done in a very fair, planned and systematic manner. Selected candidates were informed and made to prepare rigorously before representing their respective houses.

The Quiz was conducted of many interesting rounds like

ROUND-1 option round

ROUND-2 Picture round,

ROUND-3 Visual round,

ROUND-4 Buzzer round

ROUND-5 Rapid fire round.

Students recognized pictures of famous mathematicians and solved picture puzzles in the picture and visual round. Their speed was tested in the rapid fire round where they answered a maximum of eight questions in one minute. Some questions were posed to the audience to which they answered enthusiastically. On the whole it was an enriching, interesting and fun filled activity

RAMANUJAN GROUP	BHASKHRACHARYA GROUP	PYTHAGARUS GROUP	ARYABHATTA GROUP
M.DIVYA	V.SWETHA	N.JAYATHA	B.SANJANA
M.LAXMIPRASANNA	D.SWARNALATHA	P.LAXMI	M.MOUNIKA
B.RAMALAXMI	G.SANJULA	K.VANI	V.SUREKHA
K.VASANTHA	N.HARIKA	M.LATHA BHAI	B.GEETHA
V.SAMPOORNA	K.AAKANKASHA	K.SAVITHRI	D.SUJATHA



GROUP WINNERS:

RAMANUJAN GROUP
M.DIVYA
M.LAXMIPRASANNA
B.RAMALAXMI
K.VASANTHA
V.SAMPOORNA

Some quiz questions

1. What is the value of Pi to four decimal places?
2. How many vertices are there on a cube?
3. What is the prime number closest to 100?
4. What is the sum of the internal angles of a hexagon?
5. Which number is represented in binary as 100?
6. What was the year 1982 as a Roman Numeral?
7. What is the value of e?
8. If one angle is 60° , what is the size of its alternate angle?
9. What is the next number in the series; 256, 289, 324, 361, ...?
10. What is the number **zero in Roman numerals**?
11. What is the next number in the series: 4, 15, 48, 147, ...?
12. What is 13^2 ?
13. What is the thirteenth prime number?
14. What is the only number that is twice the sum of its digits?
15. How many hours are there in a year (to the nearest hour)?
16. As Alice in Wonderland found out, in a room of how many people is the probability that two have the same birthday more than a half?
- 17.. What is one twelfth as a decimal?
18. In the quadratic formula, $x = \dots$ what?
19. What is the formula for the volume of a cone (or pyramid)?
20. In Newton's second law of motion, Force equals what?
21. What is the formula for the volume of a sphere?
22. According to Einstein's theory of relativity, what does c equal?
23. What is the volume of a cylinder

ANSWERS:

1. 3.1416
2. 8
3. 101
4. 720°
5. 4
6. MCMLXXXII
7. Approximately 2.718
8. 60°
9. 400 (squares of numbers from 16 onwards)
10. There isn't one.
11. 343cm^2

- 12.444. Multiply by three and add three.

- 13.169

- 14.41

- 15.18

- 16.8760

- 17.23

- 18.0.083

19. $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$

20. $v = \frac{1}{3}(b \times h)$

21. $F = ma$. Force = mass x acceleration.

22. $v = \frac{4}{3}(\pi r^3)$

23. $c = \sqrt{E/m}$. $[E=mc^2]$

24. $v = \pi r^2 h$